



The right tool  
for every application  
TOOL fox

# In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group of companies is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 15,000 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.





## TOOL fox – The right tool for every application

As a manufacturer of professional processing and measuring tools, Phoenix Contact is your competent partner for all electrical engineering applications. The TOOL fox tool program offers products for cutting, stripping, crimping, mounting and testing. It impresses with its convenient handling and the highest quality. Cutting, stripping, and crimping devices can also be used to automate work steps.

Professional tools are a prerequisite for very good results. Our tools are all about quality, precision, durability, and effectiveness.

TOOL fox offers a complete portfolio of hand tools and automatic devices for industrial use, thereby ensuring that all tasks in the process chain are performed professionally.

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# Quality and tool expertise

## TOOL fox

Professional tools feature reliability and high performance. We produce our tools in highly specialized manufacturing processes in accordance with applicable standards, directives, and legal regulations.

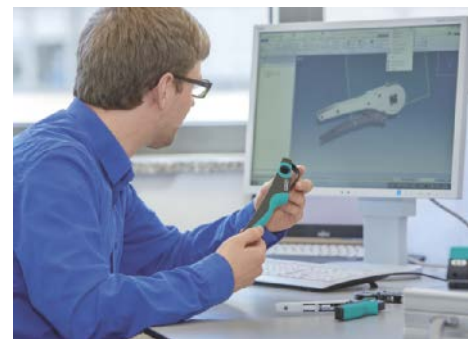
At our manufacturing site in Sweden, we produce in a resource-saving and sustainable manner while being aware at all times of our responsibility towards the environment.

Phoenix Contact tools impress with their innovative solutions, precision, and durability.



### Purchasing

Right from the procurement phase of all raw materials and components for our tools and automatic devices, we place the highest requirements on quality.



### Development

We develop innovative products that impress – our development focuses on ergonomics, user-friendliness, efficiency and safety.



### Production

Our qualified experts deliver high-quality products. A comprehensive machine park and the most modern manufacturing processes are available for this.



### Quality assurance

We guarantee the highest quality standards across the entire process chain. We guarantee adherence to these standards through regular checks with the latest testing processes and procedures.



### Advice and service

Do you need support? Our competent partners will gladly advise you in all matters regarding products and applications.

## Conductors and cables

Conductors, cables, and wires serve the purpose to carry electrical signals or energy. In everyday conversation, cables are often equated to wires, as both versions generally consist of several conductors that are isolated from each other. Cables, however, have increased mechanical resistance, which allows use in the ground, underwater or even unprotected outside.

The conductor (also called wire) consists of a conductive core of copper or aluminum, in addition to insulation. Copper is preferred, due to its excellent electrotechnical properties.

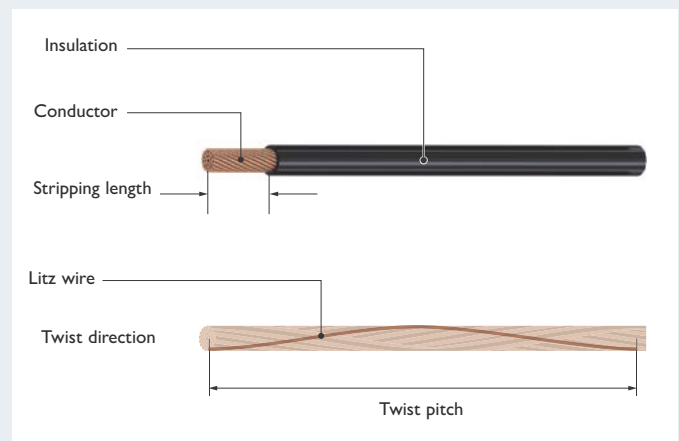
The IEC/DIN EN 60228 (VDE 0295) divides conductors into 4 classes of flexibility, which classifies the basic flexibility of the conductors. The criteria for this are the individual wire diameters and the number of individual wires. A further influence on the inherent stability is the twist pitch. The twist pitch refers to the length of an individual wire that is required for a 360° rotation. The lower the twist pitch, the more rigid and compact the conductor is, and this also increases the external diameter.

In the IEC/DIN EN 60228 (VDE 0295) standard, the conductor cross sections are defined by the electric conductance or resistance values. These values are the basis for determining the maximum current carrying capacity. Geometrical data, in particular cross section tolerances, are not determined here. As a result, the actual cross section can deviate substantially from the nominal cross sections. By using copper, which today has a purity of up to 99.99%, the manufacturer is in a position to replace the actual copper cross section with one of more than 10% less. This circumstance poses a challenge in the area of crimping.

The insulation serves as a permanent divider between the individual conductors as well as a protective casing against external influences. The basic requirement from the insulation material is the greatest possible electrical resistance; however, the corresponding resulting warmth can detract from this. Today, the choice of insulation is above all plastic, in all its versions. The type and properties of the plastic decide the later possibility of use for the conductors, cables, and wires. A further criterion is the strength of the insulation. This measure has direct influence on the mechanical and electrical loading capacity. The condition of the insulation (such as hardness, durability, thickness) is furthermore decisive when choosing the right stripping tool.



Conductor classes in accordance with IEC/DIN EN 60228 (VDE 0295)



Standard conductor structure

## Ferrules

The ferrule is a useful tool in conductor manufacture and wiring. Using sleeves prevents potential splicing of the individual wires, which allows for effective, and above all, reliable processing. In DIN 46228, the ferrule is defined as between 0.5 and 50 mm<sup>2</sup>. This standard can be split into four parts:

- Part 1: blank shape without plastic sleeve
- Part 2: crimping with and without insulation
- Part 3: conductor surrounded without insulation
- Part 4: blank shape with plastic sleeve

In addition to the geometrical dimensions, the materials and the coloring dependent on cross sections are the test basis of the standard. Furthermore, the requirements on the sleeve, and conductors of classes 2, 5, and 6 must be picked up on. The conductor cross sections are defined via the electrical resistance levels and not, as is the case with sleeves, via the geometric dimensions. Larger differentiations in the cross sections are therefore possible (also refer to the section on conductors and cables). Due to this, there is a certain discrepancy between the sleeve and the conductor. Phoenix Contact crimping tools are however overwhelmingly designed to even out this difference in capacity. In addition

to DIN, there is a French standard for ferrules, NF C 63-023. With the exclusion of coloring in some cross sections (refer to matrix), the NF is based on DIN.

UL 486 F as well as the Canadian C22.2 NO. 291-14 are new to the field of legal provisions for ferrules. These harmonized standards are also based on the DIN. However, they deal with testing and specific requirements (among others, refer to the table of extraction values). In UL 486 F, for the first time, special sleeves such as the TWIN are fixed in the standard for the two-wire connection. For certification according to the standards mentioned above, UL and CSA, comprehensive testing by the respective organization is necessary. It is not only the sleeves that are tested and certified; the entire system based on crimping tools and ferrules undergoes this process.

The most important advantages of the ferrules:

- Increased, long-term operational and contact reliability
- Time-saving further processing (especially with Push-in terminal blocks)
- Reliable connection, even with repeated re-wiring
- Reduction in cable breakages
- Easy cross section detection
- Increased vibration resistance
- Permanently low contact resistances
- Individual wires are protected (particularly for screw terminal blocks)
- Consistent clamping of screw connections

| Cross section         | DIN 46228-4 | UL486-F (Form E) | NF C 63-023 | Special color code |
|-----------------------|-------------|------------------|-------------|--------------------|
| 0.14 mm <sup>2</sup>  |             |                  |             | Gray               |
| 0.25 mm <sup>2</sup>  |             |                  |             | Light blue         |
| 0.34 mm <sup>2</sup>  |             |                  | Green       | Turquoise          |
| 0.50 mm <sup>2</sup>  | White       | White            | White       | Orange             |
| 0.75 mm <sup>2</sup>  | Gray        | Gray             | Blue        | White              |
| 1.00 mm <sup>2</sup>  | Red         | Red              | Red         | Yellow             |
| 1.50 mm <sup>2</sup>  | Black       | Black            | Black       | Red                |
| 2.50 mm <sup>2</sup>  | Blue        | Blue             | Gray        | Blue               |
| 4.00 mm <sup>2</sup>  | Gray        | Gray             | Orange      | Gray               |
| 6.00 mm <sup>2</sup>  | Yellow      | Yellow           | Green       | Black              |
| 10.00 mm <sup>2</sup> | Red         | Red              | Brown       | Ivory              |
| 16.00 mm <sup>2</sup> | Blue        | Blue             | Ivory       | Green              |
| 25.00 mm <sup>2</sup> | Yellow      | Yellow           | Black       | Brown              |
| 35.00 mm <sup>2</sup> | Red         | Red              | Red         | Beige              |
| 50.00 mm <sup>2</sup> | Blue        | Blue             | Blue        | Olive              |

Color codes for ferrules

### Now UL-certified

Phoenix Contact was one of the first tool manufacturers to have ferrules in combination with crimping tools and crimping devices, such as the CF Crimphandy, certified in accordance with the new UL 486 F standard. Together with conformity with DIN 46228 (1-4), this allows us to fulfill global market requirements in the areas of quality, safety and compatibility.

## Connectors

The crimp connections have been tested millions of times in all areas of industry; automotive technology, air travel, the transport industry, and in medical devices.

Connectors are also known as crimp contacts. They are available in a wide range of versions and designs.

They are divided into two main groups: the large, turned connectors or contacts are referred to as closed; the punched, rolled connectors or contacts are called open.

In the electrical installation, these crimp connections fall under the heading of solder-free electrical connections. The scope of service as well as test specifications are described in the European standard DIN EN 60352-2.

Crimping is a joining process to permanently connect one or more conductors with a contact. A stripped conductor is inserted into the crimp zone of the contact and connected by means of a specific crimping process. This results in a durable, fixed and reliable connection that cannot be detached.

The following key groups make up the different connector types, with a large range of dimensions and conductor cross sections:

Punched, rolled contacts, hard-soldered crimped cable lugs, tubular and compression cable lugs, butt connectors, insulated crimped cable lugs, pin cable lugs, non-insulated and insulated ring cable lugs, non-insulated fork-type cable lugs, non-insulated and insulated slip-on sleeves and coaxial CATV connectors.

### Crimp profiles

The B crimp profile is mainly used as a crimping profile for punched, rolled contacts.

Large rotated connectors or contacts mainly exhibit the following profiles in four-mandrel crimping (4/8 indent), square, oval, mandrel crimping, twin mandrel crimping, WM pressing, hexagonal (hex) with mandrel crimping, and B crimp.

Mechanical crimping pliers with a ratchet system or hydraulically actuated tools with different die sizes and crimp profiles process cross sections larger than 10 mm<sup>2</sup>. In electrical, pneumatic, and electropneumatic crimping machines, depending on the machine type, square and four-mandrel profiles of up to 10 mm<sup>2</sup> are installed. For larger cross sections, such as for the charging plug, the B crimping profile is also used. Other

profiles, such as WM crimp, O crimp, indent crimp, and double indent crimp, are used for processing ferrules, tubular and compression cable lugs, and connectors up to 300 mm<sup>2</sup>. The DIN 46230, DIN 46234 and DIN 46235 are used as a reference for the standard.

This time-saving, cost-effective connection method has been proven over many decades, millions of times. Getting the right version however, is a very complex task. For crimp connections in line with standards, the right interplay of the cross section of the litz wire, crimp contact, crimping tool and correct tool settings is crucial. Selecting the crimp profile depends on various parameters, such as the connector or crimp contact, the standard applicable, the area of use, and the specific connector type.



Overview crimp profiles

## Conductor pull-out test

Crimping points can be affected by tensile forces during wiring or operation. Therefore, properly crimped connectors and ferrules must offer a high degree of mechanical safety. To test the tensile load capacity, a crimped conductor is exposed to a predefined, cross-sectional tensile force for a period of 60 seconds, and it must withstand this load. The tensile force exerts stress on the conductor at the crimping point. Damages to the crimp point must not be a result of this. Generally, even the maximum tensile force is tolerated, until the connection is destroyed.



Conductor pull-out test

| Metric               | JIS type             | AWG/MCM equivalent |                        | UL 486F-A-F | IEC 60999-1/2<br>EN 60947-1<br>DIN 46228-1/4 | IEC 60352-2 | UL486A/B<br>(CU) | JIS C 2805    | DIN EN<br>61238-1<br>(CU) | DIN EN<br>61210 |
|----------------------|----------------------|--------------------|------------------------|-------------|----------------------------------------------|-------------|------------------|---------------|---------------------------|-----------------|
| 0.2 mm <sup>2</sup>  | -                    | 24                 | 0.21 mm <sup>2</sup>   | 20 N        | 10 N                                         | 28 N        | 22.3 N           |               |                           | 28 N            |
| 0.25 mm <sup>2</sup> |                      |                    |                        | 20 N        |                                              | 32 N        |                  |               |                           |                 |
| 0.34 mm <sup>2</sup> | -                    | 22                 | 0.33 mm <sup>2</sup>   | 20 N        | 15 N                                         | 40 N        | 35.6 N           |               |                           | 40 N            |
| 0.5 mm <sup>2</sup>  | -                    | 20                 | 0.52 mm <sup>2</sup>   | 20 N        | 20 N                                         | 60 N        | 57.9 N           |               |                           | 56 N            |
| 0.75 mm <sup>2</sup> | -                    |                    |                        | 30 N        | 30 N                                         | 85 N        | 89 N             |               |                           | 84 N            |
| 1 mm <sup>2</sup>    | -                    | 18                 | 0.82 mm <sup>2</sup>   | 30 N        | 30 N                                         | 90 N        | 89 N             |               |                           |                 |
| -                    | 1.25 mm <sup>2</sup> |                    |                        | 35 N        | 35 N                                         | 108 N       |                  |               |                           | 108 N           |
|                      |                      | 16                 | 1.31 mm <sup>2</sup>   | 40 N        | 40 N                                         | 135 N       | 134 N            | 100 N (200 N) |                           |                 |
| 1.5 mm <sup>2</sup>  |                      |                    |                        | 40 N        | 40 N                                         | 150 N       | 134 N            |               |                           | 150 N           |
| -                    | 2.0 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 100 N (290 N) |                           |                 |
|                      |                      | 14                 | 2.08 mm <sup>2</sup>   | 50 N        | 50 N                                         | 200 N       | 223 N            |               |                           |                 |
| 2.5 mm <sup>2</sup>  |                      |                    |                        | 50 N        | 50 N                                         | 230 N       | 223 N            |               |                           | 230 N           |
| -                    |                      | 12                 | 3.31 mm <sup>2</sup>   | 60 N        | 60 N                                         | 275 N       | 312 N            |               |                           |                 |
|                      | 3.5 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 540 N         |                           |                 |
| 4 mm <sup>2</sup>    |                      |                    |                        | 60 N        | 60 N                                         | 310 N       | 312 N            |               |                           | 310 N           |
| -                    | 5.5 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 780 N         |                           |                 |
| 6 mm <sup>2</sup>    |                      | 10                 | 5.26 mm <sup>2</sup>   | 80 N        | 80 N                                         | 360 N       | 356 N            |               |                           | 360 N           |
| -                    | 8 mm <sup>2</sup>    |                    |                        |             |                                              |             |                  | 980 N         |                           |                 |
|                      |                      | 8                  | 8.37 mm <sup>2</sup>   |             |                                              |             |                  |               |                           |                 |
| 10 mm <sup>2</sup>   |                      |                    |                        | 90 N        | 90 N                                         | 370 N       | 401 N            |               | 600 N                     |                 |
| -                    | 14 mm <sup>2</sup>   |                    |                        |             |                                              | 380 N       | 401 N            |               |                           |                 |
| 16 mm <sup>2</sup>   |                      | 6                  | 13.23 mm <sup>2</sup>  | 100 N       | 100 N                                        |             | 445 N            | 1400 N        | 960 N                     |                 |
| -                    | 22 mm <sup>2</sup>   |                    |                        |             |                                              |             |                  | 1800 N        |                           |                 |
| 25 mm <sup>2</sup>   |                      | 4                  | 21.15 mm <sup>2</sup>  | 135 N       | 135 N                                        |             | 623 N            |               | 1500 N                    |                 |
|                      |                      | 3                  | 26.67 mm <sup>2</sup>  |             |                                              |             | 712 N            |               |                           |                 |
| 35 mm <sup>2</sup>   |                      | 2                  | 33.62 mm <sup>2</sup>  | 190 N       | 190 N                                        |             | 801 N            |               | 2100 N                    |                 |
|                      | 38 mm <sup>2</sup>   |                    |                        |             |                                              |             |                  | 2500 N        |                           |                 |
|                      |                      | 1                  | 42.41 mm <sup>2</sup>  |             |                                              |             | 890 N            |               |                           |                 |
| 50 mm <sup>2</sup>   |                      | 1/0                | 53.48 mm <sup>2</sup>  |             | 236 N                                        |             | 1113 N           |               | 3000 N                    |                 |
|                      | 60 mm <sup>2</sup>   |                    |                        |             |                                              |             |                  | 3200 N        |                           |                 |
| 70 mm <sup>2</sup>   |                      | 2/0                | 67.43 mm <sup>2</sup>  |             | 285 N                                        |             | 1235 N           |               | 4200 N                    |                 |
| 95 mm <sup>2</sup>   |                      | 3/0                | 85.01 mm <sup>2</sup>  |             | 351 N                                        |             | 1558 N           |               | 5700 N                    |                 |
|                      | 100 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 3900 N        |                           |                 |
| 120 mm <sup>2</sup>  |                      | 4/0                | 107.22 mm <sup>2</sup> |             | 427 N                                        |             | 2003 N           |               | 7200 N                    |                 |
|                      |                      | 250 MCM            | 127 mm <sup>2</sup>    |             |                                              |             | 2225 N           |               |                           |                 |
| 150 mm <sup>2</sup>  | 150 mm <sup>2</sup>  | 300 MCM            | 152 mm <sup>2</sup>    |             | 427 N                                        |             | 2448 N           | 4100 N        | 9000 N                    |                 |
| 185 mm <sup>2</sup>  |                      | 350 MCM            | 177 mm <sup>2</sup>    |             | 503 N                                        |             | 2670 N           |               | 11100 N                   |                 |
|                      | 200 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 4400 N        |                           |                 |
|                      |                      | 400 MCM            | 203 mm <sup>2</sup>    |             |                                              |             | 2893 N           |               |                           |                 |
| 240 mm <sup>2</sup>  |                      | 500 MCM            | 253 mm <sup>2</sup>    |             | 578 N                                        |             | 3560 N           |               | 14400 N                   |                 |
|                      | 250 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 4600 N        |                           |                 |
| 300 mm <sup>2</sup>  |                      | 600 MCM            | 304 mm <sup>2</sup>    |             | 578 N                                        |             | 4005 N           |               | 18000 N                   |                 |
|                      | 325 mm <sup>2</sup>  |                    |                        |             |                                              |             |                  | 4800 N        |                           |                 |

Cross section-related pull-out values

## Gas tightness in crimp connections

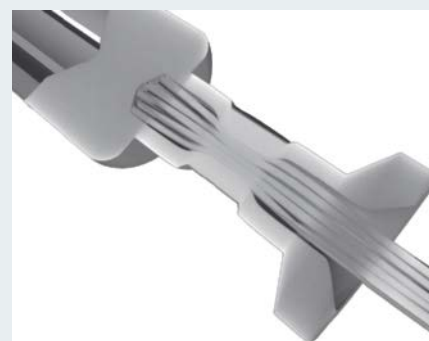
A gas-tight crimp connection is the result of a defined crimping procedure. The wire strands in one or more conductors and a connector are joined into a largely homogeneous structure, with no clearances. This results in a durable, reliable connection that cannot be detached. In addition to the mechanical and electrical properties to be tested, a visual observation of the connection provides key information on the quality of the connection. To this end, grinding patterns or acquisitions are created by means of computer tomography. The porosity, breaking elongation, and the formation of the individual wire strands are assessed in this way.

A correctly executed crimp procedure is largely protected from gases such as sulfur-dioxide containing industrial environments, oxygen, salt spray, or other corrosive media. This prevents gases causing corrosion during the service life of the individual wire strands such that the electrical properties deteriorate as a result. The crimp connections of ferrules cannot be compared directly with connectors or cable lugs. They must be considered differently. Ferrules are used as splicing protection for class 2, 5, and 6 copper wires, that are flexible and highly flexible. The copper sleeve of the ferrule only has a material thickness of 0.15 to 0.45 mm. It is significantly thinner than that of cable lugs, for example. If the copper sleeve of a ferrule with a conductor cross section of 2.5 mm<sup>2</sup> has a material thickness of 0.3 mm, the material thickness of a comparable cable lug is 0.8 mm. DIN 46228 (parts 1-4) describes the mechanical testing and the envelope dimension check as of 2.5 mm<sup>2</sup> for class 5 copper wires in accordance with IEC 60228 for the crimping of ferrules. The electrical properties are evaluated together with the later application of the connection, e.g. within a terminal block. In harsh environments, corrosion-free contact areas are a real prerequisite for low-resistance and therefore high-performance connections. For this reason, the secure positioning of the connection in the terminal point must be ensured. The impact of aggressive media on the terminal point is evaluated in the terminal block standard for copper wire. The voltage drop in accordance with

DIN EN 60947-7-1 must not exceed a value of 3.2 mV before or after the test, nor must it exceed 1.5 times the value measured at the start of the test.

In a gas-tight connection, it is assumed that the test object fulfills requirements of a test in a condensation changing climate with an atmosphere containing sulfur dioxide in accordance with DIN 50018 (AHT 2.0 S). This test consists of storage in a condensation changing climate with changing air humidity and temperatures. In the first test section, the test object is exposed to an SO<sub>2</sub> volume concentration of 0.67% at a temperature of 40°C and a humidity of approx. 100% for 8 hours. After this test, the test objects are left to dry for 16 hours with the door open. This cycle is executed twice before the test objects are assessed.

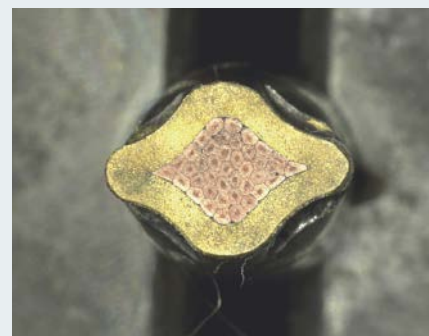
When used correctly at contact points, Phoenix Contact crimping tools, ferrules, and connectors achieve a permanent gas-tight connection that cannot be impaired even by aggressive substances. Even aggressive media do not impact this connection.



*View lengthways through the crimp*



*View vertically through the crimp*



*Micrograph*

## 1000 V tests in accordance with EN 60900

In the strict safety regulations for working on live parts up to 1000 V AC and 1500 V DC, VDE-insulated tools take on a key role in addition to general safety measures. The IEC 60900 international standard places the highest requirements on the insulated tools. In addition to the specifications in terms of geometry and dimensions, the properties of the insulation material are above all defined here. Comprehensive tests complete the standard.

As such, the condition of the insulation and the inscriptions undergo a visual test. An impact test checks the resistance of the insulation layer against impacts. Breakages, flaking or cracks cannot occur, even at lower temperatures (depending on the category, from -25°C or -40°C). After an indentation test (semi-sphere with 5 mm diameter), the insulation is exposed to 70°C with 20 N for 2 hours. After cooling, the test point must not exhibit any electrical disruptive discharge, flashover or sparkover over a period of three minutes while a voltage of 5 kV is applied (r.m.s. value).

In dielectric tests, pre-conditioned tools (water bath or humid storage) are exposed to a voltage test. A voltage of 10 kV is applied for three minutes. The discharge current must be less than 1 mA per 200 mm coating length of the hand tool.

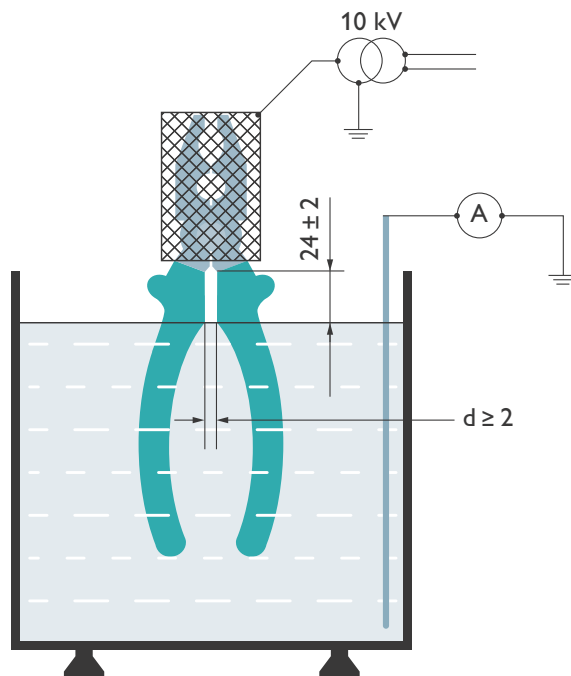
Further tests are based on the adhesion strength of the insulation coating, the inscriptions' resistance to chemicals, and the combustion behavior. The positive outcome of the type proofing of a tool forms the basis for using the VDE logo, in conjunction with IEC 60900. Regular checks on the production sites and test points are also made through the respective VDE approval point. As part of these, among other things: Random product samples are taken from ongoing production and assessed.

The manufacturer carries out comprehensive testing during production that ensures that all of the requirements of the IEC 60900 are adhered to. The last hurdle is the test for electric strength. Each tool is tested at 10,000 V AC. Only after passing this test can a tool be referred to as VDE-certified and released for sale.



Marking of a VDE tool. The letter "C" indicates the possible use at low temperatures

The VDE-insulated and correspondingly marketed tools from Phoenix Contact provide the user with high quality and the greatest possible degree of safety when working with live parts up to 1000 V AC and 1500 V DC.



Device for voltage tests of insulated hand tools (DIN EN 60900 Figure 15)

## Cutting

**Cable processing starts with the trimming or cutting of the conductor or cable.**

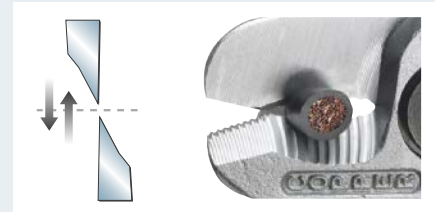
Conductors and cables in a wide range of sizes, shapes, and insulation can only be processed professionally and permanently with quality tools. Optimum leverage means that you only need to apply low manual force to generate maximum force in the cutting area.

When it comes to cutting conductors and cables in the upper cross section range up to 1400 mm<sup>2</sup>, ratchet-driven cable cutters are the solution. Here, the finely stepped down drives also keep the required manual force to a minimum.

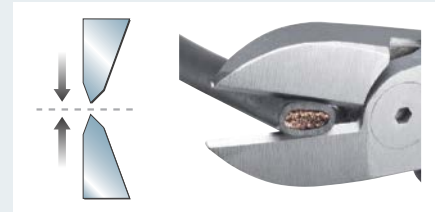
Both versions, with direct and indirect force transmission, feature special cutting geometries which help to ensure ease of movement and can be relied upon to produce burr-free right-angle cuts. Accidental deformation of the conductor is thereby prevented. The cutting method described above, which is also known as shear cutting, is listed under the generic term "splitting" in DIN 8588. The two

blades move toward and past one another and cut (shear) the material without burring. Bite cutting involves two wedge-shaped blades which move toward one another to cut the material. The wedge angle set for the blades is deliberately large and therefore stable. In addition to the hardening of the entire tool, the cutting area is subsequently hardened again inductively. This makes it possible to sever even extremely hard materials such as piano wire and spring steel with a tensile strength of up to 2300 N/mm<sup>2</sup> without damaging the tool. Bite cutting is suitable only to a limited extent for cutting through cables and lines.

When used appropriately, the CUTFOX cutting tools from Phoenix Contact can be relied upon for long-term stability and permanently consistent results.



Shear cutting



Bite cutting

## Stripping

**Stripping is the next step in the manufacturing process for creating a reliable crimp connection. In this case, a distinction is made between stripping and dismantling.**

Stripping is used as a generic term as well as to describe the removal of insulation from conductors up to 16 mm<sup>2</sup>.

Dismantling describes the stripping process for large conductor cross sections and multi-strand or multi-layered conductors and cables.

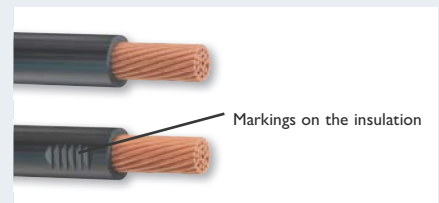
Insulation can be removed professionally and quickly using the right stripping or dismantling tool. The length of insulation to be removed varies depending on the terminal point and connector. This is set by means of adjustable limit stops and ensures consistent stripping lengths.

If the insulation is removed, ensure that neither the single wires inside nor the braided shield are damaged. The remaining insulation must not be damaged by the grip pressure, although pressure points on

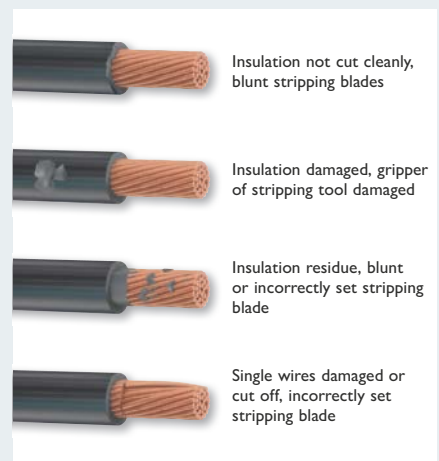
and color changes in the insulation material are permitted. Further faults that need to be prevented are stipulated in DIN IEC 60352-2.

Blade geometries suitable for the application in question are used to process special insulation materials. V blades are used for both hard (e.g. Teflon/RADOX®) and soft rubber insulations (silicone). In contrast to the straight blade geometry, V blades cut the insulation all the way around, thereby reducing the tear-off force.

Phoenix Contact provides a wide range of dismantling and stripping tools for convenient, safe processing of different conductors, cables, and wire types.



Correctly stripped conductor in accordance with DIN IEC 60352-2



Stripping errors in accordance with DIN IEC 60352-2

## Crimping, pressing, crushing

**Crimping describes the joining of the contact and conductor mechanically.**

In addition to crimping, two further terms are used, based on standards. The type of deformation plays a decisive role here. Based on the type of contact, a distinction is made between:

- **Crushing**, for insulated cable lugs
- **Pressing**, for ferrules, non-insulated cable lugs, and similar enclosed connectors.

If slip-on blade connectors are being processed, for example, this is called **crimping**.

Consider a number of important points in order to establish a reliable connection between contact and conductor:

- The conductor must be processed correctly
- The conductor and the contact must be compatible
- The conductor must be positioned correctly in the contact
- Select the correct crimping tool
- The conductor and contact are placed in the designated die nest of the pliers

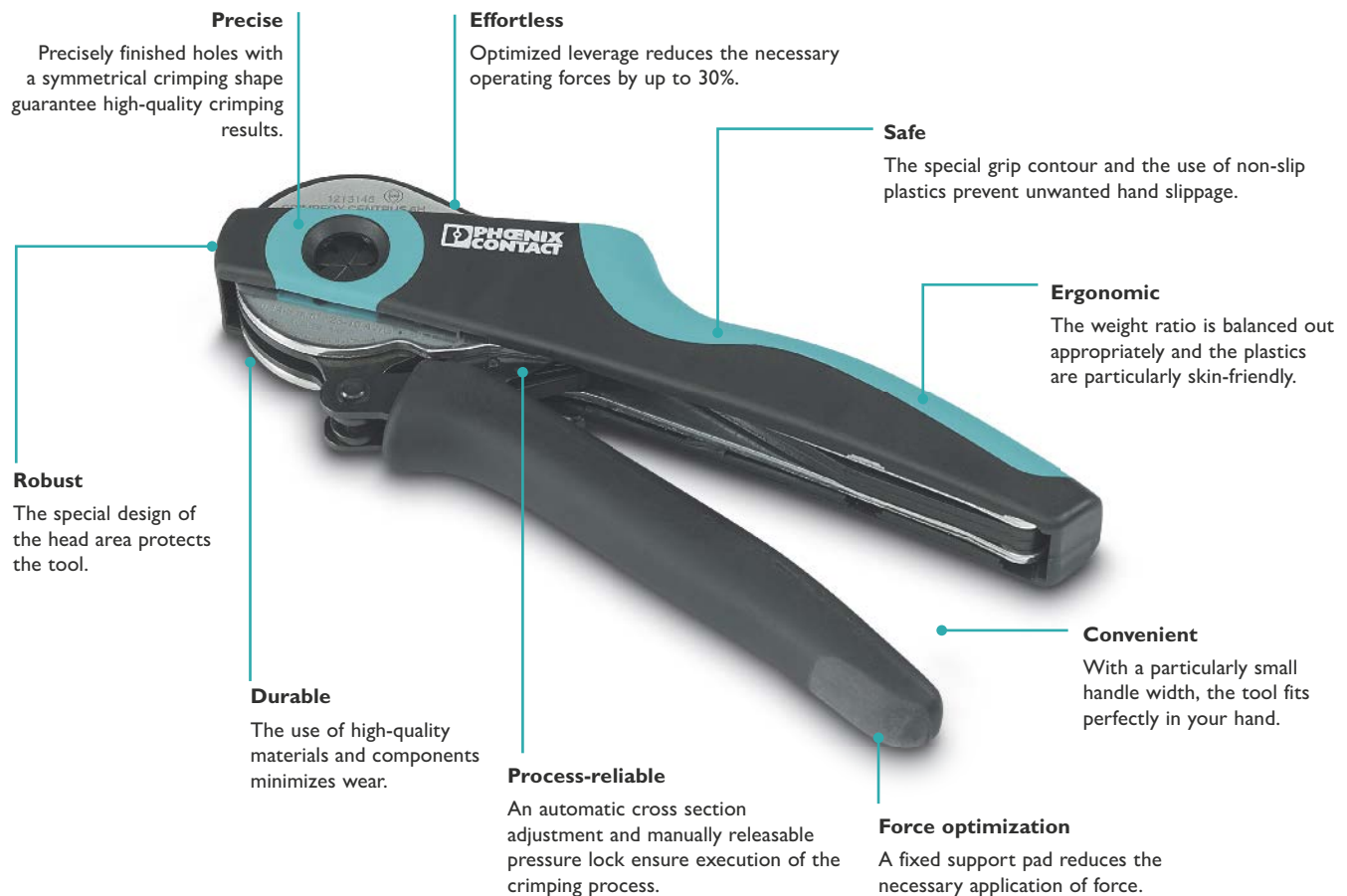
Professional crimping pliers are always equipped with a releasing pressure lock. They unlock as soon as the required crimping pressure is attained. This rules out the possibility of too little pressure. This guarantees the user a constant crimping result with maximum pull-out values.

Automatic or semi-automatic crimping machines are often used when large numbers of contacts need to be processed.

The DIN EN 60352-2 and DIN EN 60999-1 standards are among the references used to subsequently assess crimping results. In addition to a variety of electrical and mechanical tests, conductor pull-out tests are the decisive criterion.

All tools in the CRIMPFOX series from Phoenix Contact are adjusted and tested according to the applicable standards. These tools ensure long-term stable, gas-tight crimping.

We recommend checking the crimp quality every 5000 cycles or once per year, using suitable, calibrated test equipment.



# Cutting and universal tools

## CUTFOX/UNIFOX

With the CUTFOX range, Phoenix Contact offers the perfect cable cutter for every application. You receive different versions for processing cables up to 100 mm in diameter.

Our UNIFOX range covers a wide variety of tools for different applications: from universal tools, which combine several functions, and cable binder tools to cable duct cutters - we offer a whole host of applications.

### **Convenient and easy**

The tools of the CUTFOX and UNIFOX product ranges feature comfortable handling and the highest quality:

- Durable, thanks to specially hardened and tempered blades
- Minimum effort, thanks to optimum leverage and cutting geometry
- Versatile use due to a wide range of products and multifunctionality





#### Maximum force transmission

Thanks to the ratchet mechanism, you only need to apply very low force, even for large conductor cross sections up to 100 mm in diameter.



#### One tool for two assembly steps

Cable binder tools tension and cut cable binders in a single step. If the tension force is reached, the remainder is automatically severed for a flush finish.



#### VDE-tested safety

The comprehensive range of VDE-tested combination tools ensures all applications are covered.

## CUTFOX cutting tools

### Cable cutters

Thanks to their special cutting geometry, the cable cutters ensure optimum results. Ergonomically designed handles help to prevent fatigue when working.



| Type                     | Order No. | CUTFOX-ES                                                                                        | 1212621 | CUTFOX 12                                                             | 1212128 | CUTFOX 18                                                             | 1212129 |
|--------------------------|-----------|--------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|---------|-----------------------------------------------------------------------|---------|
| Diameter (cross section) |           | For Kevlar fibers and braided shield<br>1.5 mm <sup>2</sup> solid and 6 mm <sup>2</sup> stranded |         | For stranded Al/Cu wires up to 12 mm Ø<br>(up to 35 mm <sup>2</sup> ) |         | For stranded Al/Cu wires up to 18 mm Ø<br>(up to 50 mm <sup>2</sup> ) |         |

The cable cutters meet the applicable VDE standards and are therefore safe, even if live conductors and cables are cut.



| Type                     | Order No. | CUTFOX 16 VDE                                                         | 1212126 | CUTFOX 25 VDE                                                         | 1212127 | CUTFOX-LB VDE                                                           | 1212527 |
|--------------------------|-----------|-----------------------------------------------------------------------|---------|-----------------------------------------------------------------------|---------|-------------------------------------------------------------------------|---------|
| Diameter (cross section) |           | For stranded Al/Cu wires up to 16 mm Ø<br>(up to 50 mm <sup>2</sup> ) |         | For stranded Al/Cu wires up to 25 mm Ø<br>(up to 70 mm <sup>2</sup> ) |         | For stranded Al/Cu wires up to 50 mm Ø<br>(up to 6 mm x 16 mm x 0.8 mm) |         |

### Ratchet cable cutters

One and two-hand ratchet cable cutters with ratchet function for minimum effort, unlockable, for cutting copper and aluminum up to 100 mm in diameter (1400 mm<sup>2</sup>) without crushing.



| Type                     | Order No. | CUTFOX 45                                                                                                             | 1212132 | CUTFOX 62                                                              | 1212134 | CUTFOX 100                                                               | 1212135 |
|--------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------|---------|--------------------------------------------------------------------------|---------|
| Diameter (cross section) |           | For stranded Al/Cu wires up to 45 mm Ø<br>(up to 300 mm <sup>2</sup> ), up to 52 mm Ø<br>(up to 300 mm <sup>2</sup> ) |         | For stranded Al/Cu wires up to 62 mm Ø<br>(up to 750 mm <sup>2</sup> ) |         | For stranded Al/Cu wires up to 100 mm Ø<br>(up to 1400 mm <sup>2</sup> ) |         |

Ratchet cable cutters from Phoenix Contact are ideal for long-term use, thanks to their sturdy design.



| Type                     | Order No. | CUTFOX 25                                                              | 1212130 | CUTFOX 35                                                              | 1212131 | CUTFOX 50 STEEL                                                                              | 1212526 |
|--------------------------|-----------|------------------------------------------------------------------------|---------|------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------|---------|
| Diameter (cross section) |           | For stranded Al/Cu wires up to 25 mm Ø<br>(up to 185 mm <sup>2</sup> ) |         | For stranded Al/Cu wires up to 35 mm Ø<br>(up to 300 mm <sup>2</sup> ) |         | For stranded Al/Cu wires - 50 mm Ø<br>(300 mm <sup>2</sup> ), stranded steel cable - 12 mm Ø |         |

### Special cutting tools

The CUTFOX FBS cutting tool is suitable for cutting out individual bars from FBS... plug-in bridges from the CLIPLINE complete terminal block range. FB... screw bridges can be cut to length with the CUTFOX FB without crushing them.



| Type             | Order No. | CUTFOX-FBS                                                       | 1212124 | CUTFOX-FB                             | 1205985 |  |
|------------------|-----------|------------------------------------------------------------------|---------|---------------------------------------|---------|--|
| Cutting capacity |           | FBS...-4 to FBS...-8 plug-in bridges and EB... insertion bridges |         | FBI fixed bridges 10 - 6... FBI 10-12 |         |  |

## CUTFOX cutting tools

### Diagonal cutters

The VDE-insulated diagonal cutters with inductively hardened precision cutting ensure long-term stable cutting performance and therefore a clean cut, for both soft and hard wires (piano wire).



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC

| Type | Order No. | CUTFOX-S VDE   | 1212207 | CUTFOX-SP VDE | 1212206 | CUTFOX-SP BOLT VDE | 1212831 |
|------|-----------|----------------|---------|---------------|---------|--------------------|---------|
|      |           | CUTFOX-S VDE M | 1212830 |               |         |                    |         |

The CUTFOX-SE diagonal cutters are slightly angled and thus offer convenient use. The LM version is a multifunctional tool for cutting, bending, stripping and crimping ferrules.



| Type | Order No. | CUTFOX-SE | 1212832 | CUTFOX-SE LM | 1212833 |  |  |
|------|-----------|-----------|---------|--------------|---------|--|--|
|------|-----------|-----------|---------|--------------|---------|--|--|

## UNIFOX universal tools

### Combination pliers

The VDE-insulated combination pliers are available in straight and ergonomic, angled form with spring reset, with interlocking gripping surfaces, integrated M8 - M10 ring key, and blade.



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC

| Type | Order No. | UNIFOX-C VDE | 1212202 | UNIFOX-C VDE M | 1212834 | UNIFOX-CE VDE | 1212203 |
|------|-----------|--------------|---------|----------------|---------|---------------|---------|
|------|-----------|--------------|---------|----------------|---------|---------------|---------|

### Needle-nose pliers, flat-nose and round-nose pliers

The ergonomically shaped UNIFOX-PE VDE has an opening spring and a locking device. The stripping and crimping unit for ferrules from 1.5 to 2.5 mm<sup>2</sup> and the integrated M8 ... M10 ring key make the tool multifunctional.



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC

| Type | Order No. | UNIFOX-P VDE | 1212204 | UNIFOX-PC VDE | 1212205 | UNIFOX-PE VDE | 1212529 |
|------|-----------|--------------|---------|---------------|---------|---------------|---------|
|------|-----------|--------------|---------|---------------|---------|---------------|---------|

The gripping surfaces of the flat-nosed and round-nose pliers are finely notched in order to grip workpieces securely without damaging them.



1000 V AC/  
1500 V DC



1000 V AC/  
1500 V DC



| Type | Order No. | UNIFOX-F VDE | 1212363 | UNIFOX-R VDE | 1212364 | UNIFOX SR 6 | 1200137 |
|------|-----------|--------------|---------|--------------|---------|-------------|---------|
|------|-----------|--------------|---------|--------------|---------|-------------|---------|

## UNIFOX universal tools

### Screw/water pump pliers

The notched gripping surfaces of the UNIFOX-WP ensure an optimum grip.  
The UNIFOX-WRENCH has flat gripping surfaces to avoid damage to the surfaces.



| Type | Order No. | UNIFOX-WP | 1212365 | UNIFOX-WRENCH | 1212835 |
|------|-----------|-----------|---------|---------------|---------|
|------|-----------|-----------|---------|---------------|---------|

### Blind rivet pliers

#### UNIFOX-RVT M blind rivet pliers

The pliers have a compact, ergonomic, and angled body, with three inserts for the following rivet diameters:  
2.4 ... 3.2 mm, 4 mm, and 4.8 ... 5.0 mm

#### UNIFOX-HP punch pliers

The nickel-plated punch pliers are equipped with a round mandrel 2 mm in diameter. The jaw depth is 30 mm.



| Type | Order No. | UNIFOX-RVT M | 1212476 |  | UNIFOX-HP | 1212625 |
|------|-----------|--------------|---------|--|-----------|---------|
|------|-----------|--------------|---------|--|-----------|---------|

#### Rivet diameter/length

#### Aluminum/steel rivets

|                                                   |         |                        |                  |         |
|---------------------------------------------------|---------|------------------------|------------------|---------|
| 2.4/8 mm, for UW 4... terminal blocks             | silver  |                        | RVT-AL/ST 2,4L/8 | 3240548 |
| 3/6 mm                                            | silver  |                        | RVT-AL/ST 3/6    | 3240504 |
| 3/8 mm                                            | silver  |                        | RVT-AL/ST 3/8    | 3240505 |
| 3/10 mm                                           | silver  |                        | RVT-AL/ST 3/10   | 3240506 |
| 3/12 mm, for UW 10/16..., RW 5... terminal blocks | silver  |                        | RVT-AL/ST 3/12   | 3240507 |
| 3.2/6 mm                                          | silver  |                        | RVT-AL/ST 3,2/6  | 3240509 |
| 3.2/8 mm                                          | silver  |                        | RVT-AL/ST 3,2/8  | 3240510 |
| 3.2/10 mm                                         | silver  |                        | RVT-AL/ST 3,2/10 | 3240511 |
| 3.2/12 mm                                         | silver  |                        | RVT-AL/ST 3,2/12 | 3240512 |
| 4/6 mm                                            | silver  |                        | RVT-AL/ST 4/6    | 3240513 |
| 4/8 mm                                            | silver  |                        | RVT-AL/ST 4/8    | 3240514 |
| 4/10 mm                                           | silver  |                        | RVT-AL/ST 4/10   | 3240515 |
| 4/12 mm                                           | silver  |                        | RVT-AL/ST 4/12   | 3240516 |
| 4/14 mm, for UW 25, RW 8 ... terminal blocks      | silver  |                        | RVT-AL/ST 4/14   | 3240517 |
| 4.8/6 mm                                          | silver  |                        | RVT-AL/ST 4,8/6  | 3240518 |
| 4.8/8 mm                                          | silver  |                        | RVT-AL/ST 4,8/8  | 3240519 |
| 4.8/10 mm                                         | silver  |                        | RVT-AL/ST 4,8/10 | 3240520 |
| 4.8/12 mm                                         | silver  |                        | RVT-AL/ST 4,8/12 | 3240521 |
| 4.8/14 mm                                         | silver  |                        | RVT-AL/ST 4,8/14 | 3240522 |
| 4.8/16 mm                                         | silver  |                        | RVT-AL/ST 4,8/16 | 3240522 |
| Rivet nozzle, long, specially designed for rivet  | 3240548 | UNIFOX-RVT M/BIT 2,4 L | 1212477          |         |

### Cable binder tools

Tension and cut cable binders in one step with the ergonomic cable binder tools for plastic and stainless steel cable binders. The continuously adjustable tension force is indicated by a scale in the handle area. If the tension force is reached, the remainder is automatically severed for a flush finish.



| Type        | Order No. | UNIFOX-CT 4,8                               | 1212475 | UNIFOX-CT 4,8P                              | 1212609 | UNIFOX-CT M 7,9                                     | 1212610 |
|-------------|-----------|---------------------------------------------|---------|---------------------------------------------|---------|-----------------------------------------------------|---------|
| Description |           | For plastic cable binders up to 4.8 mm wide |         | For plastic cable binders up to 4.8 mm wide |         | For stainless steel cable binders up to 7.9 mm wide |         |

## CUTFOX cutting tools

### Cable duct cutters

The cable duct cutters can easily cut through ducts and covers up to 75 mm wide. The universal limit stop allows you to make both right-angled and bevel cuts.

The PPS-CD M cable duct cutter cuts ducts and covers up to 125 mm wide and 2.5 mm thick without burring in seconds.



| Type                        | Order No. | CUTFOX-CD       | 1212474 | PPS CD M      | 1207569 |
|-----------------------------|-----------|-----------------|---------|---------------|---------|
| <b>Accessories</b>          |           |                 |         |               |         |
| Replacement blade           |           |                 |         | PPS CD BLADE  | 1207572 |
| Replacement counter support |           |                 |         | PPS CD M COHO | 1208995 |
| Replacement limit stop 90°  |           | CUTFOX-CD/ES 90 | 1200289 |               |         |

### Profile cutting tools

PPS BASIC I/M is a lightweight profile cutter. PPS STANDARD... and PPS CLASSIC... can be fitted with two stamping bits for round and elongated holes. PPS CLASSIC... with its quick change mechanism is the best choice if hole formats are changed on a frequent basis.



| Type                                                     | Order No. |                                      | PPS STANDARD M             | 1206175                                                            | PPS CLASSIC M              | 1206243                                                            |         |
|----------------------------------------------------------|-----------|--------------------------------------|----------------------------|--------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------|---------|
|                                                          |           |                                      | With metric measuring rail |                                                                    | With metric measuring rail |                                                                    |         |
| Type                                                     | Order No. | PPS BASIC I/M                        | 1207585                    | PPS STANDARD I/M                                                   | 1206230                    | PPS CLASSIC I/M                                                    | 1206256 |
|                                                          |           | With inch/metric measuring rail      |                            | With inch/metric measuring rail                                    |                            | With inch/metric measuring rail                                    |         |
| Description                                              |           | For standard DIN rails               |                            | Each for standard DIN rails                                        |                            | Each for standard DIN rails                                        |         |
|                                                          |           | NS 15/NS 35/7,5/NS 35/15/NLS-CU 3/10 |                            | NS 15/NS 32/NS 35/7,5/NS 35/15<br>NLS-CU 3/10 and two hole punches |                            | NS 15/NS 32/NS 35/7,5/NS 35/15<br>NLS-CU 3/10 and two hole punches |         |
| Accessories                                              |           |                                      |                            |                                                                    |                            |                                                                    |         |
| Stamping bit for elongated holes (lengthways)            |           |                                      |                            |                                                                    |                            |                                                                    |         |
|                                                          |           |                                      |                            | PPS-ST (3,5 x 12) L                                                |                            | 1203563                                                            |         |
| 3.5 x 12 mm                                              |           |                                      |                            | PPS-ST (4,5 x 12) L                                                |                            | 1203534                                                            |         |
| 4.5 x 12 mm                                              |           |                                      |                            | PPS-ST (5,5 x 12) L                                                |                            | 1202603                                                            |         |
| 5.5 x 12 mm                                              |           |                                      |                            | PPS-ST (6,5 x 15) L                                                |                            | 1202593                                                            |         |
| 6.5 x 15 mm                                              |           |                                      |                            |                                                                    |                            |                                                                    |         |
| Stamping bit for elongated holes (vertical)              |           |                                      |                            |                                                                    |                            |                                                                    |         |
|                                                          |           |                                      |                            | PPS-ST (3,5 x 12) Q                                                |                            | 1203550                                                            |         |
| 3.5 x 12 mm                                              |           |                                      |                            | PPS-ST (4,5 x 12) Q                                                |                            | 1203547                                                            |         |
| 4.5 x 12 mm                                              |           |                                      |                            | PPS-ST (5,5 x 12) Q                                                |                            | 1203411                                                            |         |
| 5.5 x 12 mm                                              |           |                                      |                            | PPS-ST (6,5 x 15) Q                                                |                            | 1203408                                                            |         |
| 6.5 x 15 mm                                              |           |                                      |                            |                                                                    |                            |                                                                    |         |
| Stamping bit for round holes                             |           |                                      |                            |                                                                    |                            |                                                                    |         |
|                                                          |           |                                      |                            | PPS-ST (3,8)                                                       |                            | 1204892                                                            |         |
| 3.8 mm Ø                                                 |           |                                      |                            | PPS-ST (4,3)                                                       |                            | 1202616                                                            |         |
| 4.3 mm Ø                                                 |           |                                      |                            | PPS-ST (5,3)                                                       |                            | 1202629                                                            |         |
| 5.3 mm Ø                                                 |           |                                      |                            | PPS-ST (6,4)                                                       |                            | 1202632                                                            |         |
| 6.4 mm Ø                                                 |           |                                      |                            | PPS-ST (7,0)                                                       |                            | 1204889                                                            |         |
| 7.0 mm Ø                                                 |           |                                      |                            | PPS-ST (8,4)                                                       |                            | 1202726                                                            |         |
| 8.4 mm Ø                                                 |           |                                      |                            |                                                                    |                            |                                                                    |         |
| Hydraulic cylinder                                       |           |                                      |                            |                                                                    |                            |                                                                    |         |
|                                                          |           |                                      |                            | PPS HYDRAULIC CYL                                                  | 1208924                    |                                                                    |         |
| For connection to an existing hydraulic system           |           |                                      |                            | Only for PPS STANDARD                                              |                            |                                                                    |         |
| Operating pressure: 160 ... 220 bar                      |           |                                      |                            |                                                                    |                            |                                                                    |         |
| Single-action with spring reset, G1/4" connection thread |           |                                      |                            |                                                                    |                            |                                                                    |         |

# Stripping tools

## WIREFOX

The WIREFOX product range provides the perfect tool for every form of stripping. WIREFOX precision tools impress with their ergonomic design and specially hardened blades with special geometries.

### **Safe, fast, and clean stripping**

Process all types of conductor with standard or special insulation quickly and safely.

- Broad field of application, thanks to multifunctional design
- Fatigue-free and non-slip handling, thanks to the ergonomic handle design
- Durable, thanks to high-quality components and materials





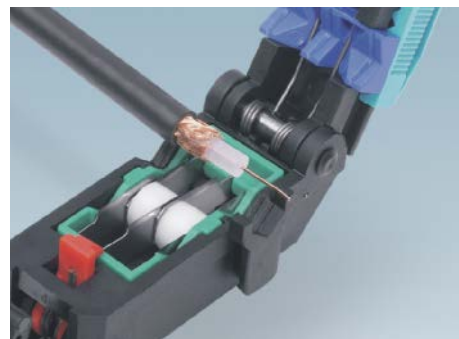
#### **Precise and safe stripping**

The WIREFOX stripping tools can strip conductors and cables with standard or special insulation quickly, precisely, and reliably.



#### **Easy blade replacement**

The construction of the pliers allows the blade cassettes to be replaced with ease, such as for processing special insulation.



#### **Multi-stage stripping**

The CUTFOX-D CX stripping tools enable multi-stage stripping of coaxial cables in a single step.

## WIREFOX stripping tools

### Stripping pliers for conductors and cables

WIREFOX stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor diameters. Particularly useful are the integrated wire cutter and the flexibly adjustable limit stop for the stripping length.



| Type                                       | Order No.              | WIREFOX 10           | 1212150 | WIREFOX-E 10         | 1212706 | WIREFOX 16        | 1212155 |
|--------------------------------------------|------------------------|----------------------|---------|----------------------|---------|-------------------|---------|
| With laser engraving upon customer request |                        | WIREFOX 10 CUS       | 1212760 |                      |         | WIREFOX 16 CUS    | 1212761 |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 0.02 ... 10/34 ... 8 |         | 0.02 ... 10/34 ... 8 |         | 4 ... 16/12 ... 5 |         |
| Stripping length up to ...                 | [mm]                   | 18                   |         | 18                   |         | 18                |         |
| Insulation type                            |                        | Default              |         | Default              |         | Default           |         |
| Wire cutter solid/stranded                 | [mm <sup>2</sup> ]/AWG | 1.5/16/10/8          |         | 1.5/16/10/8          |         | 1.5/16/12/8       |         |
| <b>Accessories</b>                         |                        |                      |         |                      |         |                   |         |
| Replacement blade                          |                        | WIREFOX 10/SB        | 1212152 | WIREFOX 10/SB        | 1212152 | WIREFOX 16/SB     | 1212153 |
| Replacement limit stop                     |                        | WIREFOX 10/WS        | 1200285 | WIREFOX 10/WS        | 1200285 | WIREFOX 10/WS     | 1200285 |
| Replacement clamping jaws                  |                        | WIREFOX 10/CJ        | 1200286 | WIREFOX 10/CJ        | 1200286 | WIREFOX 16/CJ     | 1200287 |

The blade dies are compatible with all types of pliers and can be replaced in just a few steps. Basic pliers therefore cover a range of applications.



| Type                       | Order No.              | WIREFOX-E 16      | 1212707 | WIREFOX 4                     | 1212156 | WIREFOX-E 4                   | 1212704 |
|----------------------------|------------------------|-------------------|---------|-------------------------------|---------|-------------------------------|---------|
| Conductor                  | [mm <sup>2</sup> ]/AWG | 4 ... 16/12 ... 5 |         | 0.1 ... 4/28 ... 12           | 1212762 | 0.1 ... 4/28 ... 12           |         |
| Stripping length up to ... | [mm]                   | 18                |         | 18                            |         | 18                            |         |
| Insulation type            |                        | Default           |         | Special insulation, e.g. PTFE |         | Special insulation, e.g. PTFE |         |
| Wire cutter solid/stranded | [mm <sup>2</sup> ]/AWG | 1.5/16/10/8       |         | 1.5/16/10/8                   |         | 1.5/16/10/8                   |         |
| <b>Accessories</b>         |                        |                   |         |                               |         |                               |         |
| Replacement blade          |                        | WIREFOX 16/SB     | 1212153 | WIREFOX 4/SB                  | 1212151 | WIREFOX 4/SB                  | 1212151 |
| Replacement limit stop     |                        | WIREFOX 10/WS     | 1200285 | WIREFOX 10/WS                 | 1200285 | WIREFOX 10/WS                 | 1200285 |
| Replacement clamping jaws  |                        | WIREFOX 16/CJ     | 1200287 | WIREFOX 10/CJ                 | 1200286 | WIREFOX 10/CJ                 | 1200286 |

The WIREFOX pliers allow for a fatigue-free and non-slip handling, thanks to the ergonomic handle design.  
The angled WIREFOX-E versions offer an ergonomic solution for use at the workbench.



| Type                                       | Order No.              | WIREFOX 6SC                                  | 1212158 | WIREFOX-E 6SC                                | 1212705 |  |  |
|--------------------------------------------|------------------------|----------------------------------------------|---------|----------------------------------------------|---------|--|--|
| With laser engraving upon customer request |                        | WIREFOX 6SC CUS                              | 1212763 |                                              |         |  |  |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 1.5 ... 6/16 ... 10                          |         | 1.5 ... 6/16 ... 10                          |         |  |  |
| Stripping length up to ...                 | [mm]                   | 18                                           |         | 18                                           |         |  |  |
| Insulation type                            |                        | Short-circuit-proof cond., rubber insulation |         | Short-circuit-proof cond., rubber insulation |         |  |  |
| Wire cutter solid/stranded                 | [mm <sup>2</sup> ]/AWG | 1.5/16/10/8                                  |         | 1.5/16/10/8                                  |         |  |  |
| <b>Accessories</b>                         |                        |                                              |         |                                              |         |  |  |
| Replacement blade                          |                        | WIREFOX 6SC/SB                               | 1212314 | WIREFOX 6SC/SB                               | 1212314 |  |  |
| Replacement limit stop                     |                        | WIREFOX 10/WS                                | 1200285 | WIREFOX 10/WS                                | 1200285 |  |  |
| Replacement clamping jaws                  |                        | WIREFOX 10/CJ                                | 1200286 | WIREFOX 10/CJ                                | 1200286 |  |  |

## WIREFOX stripping tools

### Stripping pliers for sensor/actuator cables

Multi-stranded sensor/actuator (SAC) cables can be processed conveniently and easily with the WIREFOX-SAC... tools. The specially shaped blade geometries prevent damage to the conductors inside.



| Type                       | Order No. | WIREFOX 16-1                  | 1212157 | WIREFOX SAC    | 1212623 | WIREFOX SAC-1    | 1212757 |
|----------------------------|-----------|-------------------------------|---------|----------------|---------|------------------|---------|
| Conductor/cable diameter   | [mm]      | 6 ... 16 mm²/23 AWG; 10 ... 5 |         | 4.4 ... 7      |         | 3.2 ... 4.4      |         |
| Stripping length up to ... | [mm]      | Any                           |         | Any            |         | Any              |         |
| Insulation type            |           | Default                       |         | SAC cables     |         | SAC cables       |         |
| Accessories                |           |                               |         |                |         |                  |         |
| Replacement blade          |           | WIREFOX 16-1/SB               | 1204944 | WIREFOX SAC/SB | 1200282 | WIREFOX SAC-1/SB | 1200283 |

### Stripping pliers for AS-Interface flat-ribbon conductors

The WIREFOX FC and WIREFOX ASI are ideal for fast and precise stripping of flat-ribbon conductors. The WIREFOX ASI is specially geared towards the AS-Interface cables. Cable cutouts, cable tap-offs, and shield connections can be implemented easily and quickly with the WIREFOX-D SHIELD.



| Type                         | Order No. | WIREFOX ASI                        | 1212154 | WIREFOX FC                       | 1212619 | WIREFOX-D SHIELD | 1212172 |
|------------------------------|-----------|------------------------------------|---------|----------------------------------|---------|------------------|---------|
| Insulation type              |           | AS-Interface flat-ribbon conductor |         | Flat-ribbon conductors           |         |                  |         |
| Stripping length             | [mm]      | Any                                |         | Any, stripping width up to 12 mm |         |                  |         |
| Cable diameter               | [mm]      |                                    |         |                                  |         | 8 ... 9          |         |
| Maximum insulation thickness | [mm]      |                                    |         |                                  |         | 1.2              |         |
| Replacement blade            |           | WIREFOX ASI/SB                     | 1208076 | WIREFOX FC/SB                    | 1200284 |                  |         |

### Stripping pliers for cable cutouts and shield connections

The compact, ergonomically shaped WIREFOX 2,5 ensures clean stripping results, thanks to the special lamellar blades. Furthermore, it is equipped with a cutter and length stop.



|                            |           |                        |         |  |  |
|----------------------------|-----------|------------------------|---------|--|--|
| Type                       | Order No. | WIREFOX 2,5            | 1212368 |  |  |
| Conductor                  | [mm²]/AWG | 0.08 ... 2.5/28 ... 14 |         |  |  |
| Stripping length up to ... | [mm]      | 15                     |         |  |  |
| Insulation type            |           | Default                |         |  |  |
| Wire cutter solid/stranded | [mm²]/AWG | 2.5/14/6/10            |         |  |  |
| Accessories                |           |                        |         |  |  |
| Replacement blade          |           | WIREFOX 2,5/SB         | 1212369 |  |  |
| Replacement limit stop     |           | WIREFOX 2,5/WS         | 1212370 |  |  |

## WIREFOX stripping tools

### Stripping pliers

The WIREFOX-MP VDE is a multifunctional tool which is suitable for both the stripping and dismantling of indoor installation cables, e.g. NYM. The VDE-insulated cutting and stripping pliers allow the user to process the conductor and cable quickly and easily.



| Type                       | Order No.              | WIREFOX-MP VDE      | 1212528 | WIREFOX 10 VDE      | 1212366 |
|----------------------------|------------------------|---------------------|---------|---------------------|---------|
| Conductor                  | [mm <sup>2</sup> ]/AWG | 0.2 ... 10/24 ... 8 |         | 0.2 ... 10/24 ... 8 |         |
| Stripping length up to ... | [mm]                   | 20                  |         | 20                  |         |
| Insulation type            |                        | Default             |         | Default             |         |

## WIREFOX stripping tools

### Stripping tools for dismantling

The WIREFOX-D 11 stripping tool strips single and multi-strand signal, control, and fiberglass cables up to 11 mm in diameter and 1 mm thick precisely and repeatably. The settings are made quickly and with high precision.



| Type                      | Order No. | WIREFOX-D 11    | 1212160 |  |
|---------------------------|-----------|-----------------|---------|--|
| Conductor/cable diameter  | [mm]      | 2.5 ... 11      |         |  |
| Max. insulation thickness | [mm]      | 1.0             |         |  |
| Stripping length          | [mm]      | Any             |         |  |
| Replacement blade         |           | WIREFOX-D 11/SB | 1212312 |  |

The WIREFOX-D SR 6 is ideal for use with MC 3,4 and Solarlok contacts, while the WIREFOX-D SR 6-1 is suitable for SUNCLIX field plugs. The WIREFOX-CX 6,35 is a stripping tool for CATV type F. The compact tools are convenient and easy to use. The WIREFOX-D SR... are also suitable for processing short-circuit-proof conductors.



| Type             | Order No.          | WIREFOX-D SR 6 | 1212507 | WIREFOX-D SR 6-1 | 1212511 | WIREFOX-CX 6,35 | 1212733 |
|------------------|--------------------|----------------|---------|------------------|---------|-----------------|---------|
| Conductor        | [mm <sup>2</sup> ] | 2.5 ... 6      |         | 2.5 ... 6        |         | RG 59 and RG 6  |         |
| Stripping length | [mm]               | 8.5            |         | 15               |         | 6.35            |         |
| Conductor type   |                    | Solar/rubber   |         | Solar/rubber     |         | Coaxial         |         |

## WIREFOX stripping tools

### Stripping tools for dismantling

With the WIREFOX-D 13 stripping tool, round cables such as NYM cables of 3 x 1.5 mm² up to 5 x 2.5 mm² can be processed quickly and easily. The shape of the tool allows for the application directly in the distribution and junction box. It is equipped with a longitudinal and round cut unit for the sheath as well as with a stripping range for conductors from 0.2 to 4 mm². It also has a sliding knife.



| Type                     | Order No. | WIREFOX-D 13 | 1212162 |
|--------------------------|-----------|--------------|---------|
| Conductor/cable diameter | [mm]      | 8 ... 13     |         |
| Conductor                | [mm²]     | 0.2 ... 4    |         |

Conductors and cables with standard and special insulations in a diameter range from 4 to 16 or 8 to 28 mm can be stripped precisely with these tools. The WIREFOX-D 16 is mainly used for processing FO cables.



| Type                     | Order No. | WIREFOX-D 16 | 1212173 | WIREFOX-D 28 | 1212174 |
|--------------------------|-----------|--------------|---------|--------------|---------|
| Conductor/cable diameter | [mm]      | 4 ... 16     |         | 8 ... 28     |         |

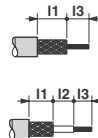
The robust WIREFOX-D 40 strips conductors and cables with a diameter of up to 40 mm. The swivel blade can be used to make round, longitudinal, and spiral cuts. The special blade geometry and the special operating principle stand for long-term use and make the tool a problem solver for special insulations.



| Type                      | Order No. | WIREFOX-D 40    | 1212161 |
|---------------------------|-----------|-----------------|---------|
| Conductor/cable diameter  | [mm]      | 4.5 ... 40      |         |
| Max. insulation thickness | [mm]      | 4.5             |         |
| Replacement blade         |           | WIREFOX-D 40/SB | 1212313 |

### Stripping tools for multi-stage dismantling of coaxial cables

The WIREFOX-D CX ... stripping tools allow you to easily perform multi-stage stripping of coaxial cables with a diameter of 2.5 to 7.5 mm in a single step. The cable remains undamaged, thanks to the central fine adjustment of the stripping blade. The blade cassettes are compatible with the respective tool and are therefore interchangeable.



| Type                                                    | Order No. | Accessories - replacement blade |         |                           |
|---------------------------------------------------------|-----------|---------------------------------|---------|---------------------------|
| 2-stage/strip-off dimension L1 = 6.0 mm                 |           | WIREFOX-D CX-1                  | 1212163 | WIREFOX-D CX-1/SB 1212303 |
| 2-stage/strip-off dimension L1 = 9.2 mm                 |           | WIREFOX-D CX-2                  | 1212164 | WIREFOX-D CX-2/SB 1212304 |
| 2-stage/strip-off dimension L1 = 12 mm                  |           | WIREFOX-D CX-3                  | 1212165 | WIREFOX-D CX-3/SB 1212305 |
| 2-stage/strip-off dimension L1 = 6.8 mm                 |           | WIREFOX-D CX-4                  | 1212166 | WIREFOX-D CX-4/SB 1212306 |
| 3-stage/strip-off dimension L1 = 5.5 mm and L2 = 5.5 mm |           | WIREFOX-D CX-5                  | 1212167 | WIREFOX-D CX-5/SB 1212307 |
| 3-stage/strip-off dimension L1 = 2.7 mm and L2 = 8.3 mm |           | WIREFOX-D CX-6                  | 1212168 | WIREFOX-D CX-6/SB 1212308 |
| 3-stage/strip-off dimension L1 = 6.0 mm and L2 = 6.0 mm |           | WIREFOX-D CX-7                  | 1212169 | WIREFOX-D CX-7/SB 1212309 |
| 3-stage/strip-off dimension L1 = 2.5 mm and L2 = 6.8 mm |           | WIREFOX-D CX-8                  | 1212170 | WIREFOX-D CX-8/SB 1212310 |
| 3-stage/strip-off dimension L1 = 3.5 mm and L2 = 7.5 mm |           | WIREFOX-D CX-9                  | 1212171 | WIREFOX-D CX-9/SB 1212311 |

# Portable crimping device CRIMPHANDY

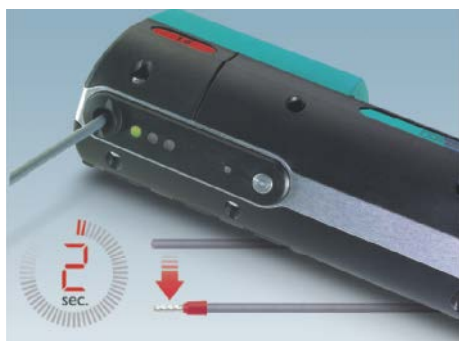
Traditional conductor preparation involves two work steps, two tools and a lot of time. The CRIMPHANDY from Phoenix Contact revolutionizes this process: Only one tool, one work step and time savings of around 75%.

The CRIMPHANDY is a portable hand-held device for stripping conductors and crimping ferrules in one step, which takes less than two seconds. Automatic monitoring functions ensure optimum, high-quality crimping every time.

## Now UL-certified

Phoenix Contact was one of the first tool manufacturers to have ferrules in combination with crimping tools and crimping devices, such as the CF CRIMPHANDY, certified in accordance with the new UL 486F standard. Together with conformity with DIN 46228 (1-4), this allows us to fulfill global market requirements in the areas of quality, safety and compatibility.





#### Easy operation

Incorrect operation is nearly impossible, thanks to the automatic stripping and crimping function. Insert a conductor, automatically strip and crimp it – and you're done!



#### Uninterrupted work

An integrated magazine contains ferrules in strip form. Its automatic feed enables multiple conductors to be crimped without interruption.



#### Cutting

The CRIMPHANDY CUTTER lets you cut conductors to the right length correctly and easily. The practical cutter is quick and easy to install.

## CRIMPHANDY portable crimping device



### CRIMPHANDY

The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds using this portable hand-held device. That's 75% less time than before. The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints, muscles and tendons.

- The compact lightweight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed, thanks to the high-performance lithium-ion polymer battery.
- Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes.
- The attachable waste receptacle catches the discarded insulation. It thereby helps to ensure a clean working environment.



| Type                                                                                                                                                                                 | Order No. | CF CRIMPHANDY 0,5                                                                                                                                                                                                                                                                  | 1212463 | CF CRIMPHANDY 0,75                                                                    | 1212464 | CF CRIMPHANDY CUTTER                                                                                       | 1212520 |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------|---------|---------|
| Weight                                                                                                                                                                               | [kg]      | 0.43                                                                                                                                                                                                                                                                               |         | 0.43                                                                                  |         |                                                                                                            |         |         |
| Conductor                                                                                                                                                                            | [mm2]     | 0.5                                                                                                                                                                                                                                                                                |         | 0.75                                                                                  |         | 0.5 - 1.5                                                                                                  |         |         |
| Working cycle                                                                                                                                                                        | [s]       | < 2                                                                                                                                                                                                                                                                                |         | < 2                                                                                   |         |                                                                                                            |         |         |
| Crimping                                                                                                                                                                             |           | Square crimp                                                                                                                                                                                                                                                                       |         | Square crimp                                                                          |         |                                                                                                            |         |         |
| Dimensions W x H x L                                                                                                                                                                 | [mm]      | 43 x 70 x 205                                                                                                                                                                                                                                                                      |         | 43 x 70 x 205                                                                         |         |                                                                                                            |         |         |
| Description                                                                                                                                                                          |           | Portable hand-held device, battery-powered, for processing taped ferrules with function end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, service tool for troubleshooting, and one strip of ferrules, packed in a robust case. |         |                                                                                       |         | Cutting unit, for CF CRIMPHANDY..., for stranded copper wires from 0.5 ... 1.5 mm², incl. receptacle tray. |         |         |
| Taped ferrules, with function end, 8 mm, with plastic sleeve, in accordance with DIN 46228-4: 1990-09 and UL 486F, UL-certified, white, 50 pieces per strip, 20 strips per pcs./pkt. |           |                                                                                                                                                                                                 |         |  |         |                                                                                                            |         |         |
| Gray, in accordance with DIN 46228-4 and UL 486F                                                                                                                                     |           |                                                                                                                                                                                                                                                                                    |         | AI 0,75-8 GY-S                                                                        |         | 1212522                                                                                                    |         |         |
| Blue, in accordance with NF C63-023                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                    |         | AI 0,75-8 BU-S                                                                        |         | 1212785                                                                                                    |         |         |
| White, special color                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                    |         | AI 0,75-8 WH-S                                                                        |         | 1212783                                                                                                    |         |         |
| White, in acc. with DIN 46228-4, UL 486F, NF C 63-023                                                                                                                                |           | AI 0,5-8 WH-S                                                                                                                                                                                                                                                                      |         | 1212521                                                                               |         |                                                                                                            |         |         |
| Orange, special color                                                                                                                                                                |           | AI 0,5-8 OG-S                                                                                                                                                                                                                                                                      |         | 1212784                                                                               |         |                                                                                                            |         |         |
| Accessories                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                    |         |                                                                                       |         |                                                                                                            |         |         |
| Replacement charger for CF CRIMPHANDY..., 100 ... 240 V                                                                                                                              |           | CF CRIMPHANDY/CHARGER                                                                                                                                                                                                                                                              |         | 1212519                                                                               |         | CF CRIMPHANDY/CHARGER                                                                                      |         | 1212519 |
| Spare service tool, for CF CRIMPHANDY..., to rectify faults                                                                                                                          |           | CF CRIMPHANDY 0,5/SERVICE-TOOL                                                                                                                                                                                                                                                     |         | 1212787                                                                               |         | CF CRIMPHANDY 0,75/SERVICE-TOOL                                                                            |         | 1212786 |

## CRIMPHANDY portable crimping device



### CRIMPHANDY

- The optionally available cutting unit provides a convenient option of cutting the conductors to length right on the device.
- Ferrules are automatically fed in, enabling multiple conductors to be crimped one after another without interruption. The sleeves in strip form are inserted via the integrated magazine.
- The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion.
- The square crimp mold is particularly suited to the terminal blocks from the CLIPLINE complete system: UT screw connection terminal blocks, ST spring-cage connection terminal blocks, PT Push-in connection terminal blocks and COMBI pluggable connection solutions.



| Type                                                                                                                                                                                | Order No.          | CF CRIMPHANDY 1,0                                                                                                                                                                                                                                                                         | 1212465 | CF CRIMPHANDY 1,5                                                                    | 1212466 | CF CRIMPHANDY/ACCU                                               | 1212518 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|------------------------------------------------------------------|---------|
| Weight                                                                                                                                                                              | [kg]               | 0.43                                                                                                                                                                                                                                                                                      |         | 0.43                                                                                 |         |                                                                  |         |
| Conductor                                                                                                                                                                           | [mm <sup>2</sup> ] | 1.0                                                                                                                                                                                                                                                                                       |         | 1.5                                                                                  |         |                                                                  |         |
| Arbeitstakt                                                                                                                                                                         | [s]                | < 2                                                                                                                                                                                                                                                                                       |         | < 2                                                                                  |         |                                                                  |         |
| Crimping                                                                                                                                                                            |                    | Square crimp                                                                                                                                                                                                                                                                              |         | Square crimp                                                                         |         |                                                                  |         |
| Dimensions W x H x L                                                                                                                                                                | [mm]               | 43 x 70 x 205                                                                                                                                                                                                                                                                             |         | 43 x 70 x 205                                                                        |         |                                                                  |         |
| Description                                                                                                                                                                         |                    | Portable hand-held device, battery-powered, for processing taped ferrules with function end, suitable for PVC insulated conductors (H05V-K/H07V-K), incl. battery, charger, CUTFOX 12 cable cutter, service tool for troubleshooting, and one strip of ferrules, packed in a robust case. |         |                                                                                      |         | Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah |         |
| Taped ferrules, with function end, 8 mm, with plastic sleeve, in accordance with DIN 46228-4: 1990-09 and UL486F, UL-certified, white, 50 pieces per strip, 20 strips per pcs./pkt. |                    |                                                                                                                                                                                                        |         |  |         |                                                                  |         |
| Black, in acc. with DIN 46228-4, UL 486F, NF C 63-023                                                                                                                               |                    |                                                                                                                                                                                                                                                                                           |         | AI 1,5-8 BK-S                                                                        |         | 1212524                                                          |         |
| Red, special color                                                                                                                                                                  |                    |                                                                                                                                                                                                                                                                                           |         | AI 1,5-8 RD-S                                                                        |         | 1212781                                                          |         |
| Red, in acc. with DIN 46228-4, UL 486F, NF C 63-023                                                                                                                                 |                    | AI 1,0-8 RD-S                                                                                                                                                                                                                                                                             |         | 1212523                                                                              |         |                                                                  |         |
| Yellow, special color                                                                                                                                                               |                    | AI 1,0-8 YE-S                                                                                                                                                                                                                                                                             |         | 1212782                                                                              |         |                                                                  |         |
| Accessories                                                                                                                                                                         |                    |                                                                                                                                                                                                                                                                                           |         |                                                                                      |         |                                                                  |         |
| Replacement charger for CF CRIMPHANDY..., 100 ... 240 V                                                                                                                             |                    | CF CRIMPHANDY/CHARGER                                                                                                                                                                                                                                                                     |         | 1212519                                                                              |         | CF CRIMPHANDY/CHARGER                                            |         |
| Spare service tool, for CF CRIMPHANDY..., to rectify faults                                                                                                                         |                    | CF CRIMPHANDY 1,0/SERVICE-TOOL                                                                                                                                                                                                                                                            |         | 1212759                                                                              |         | CF CRIMPHANDY 1,5/SERVICE-TOOL                                   |         |
|                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                           |         | 1212708                                                                              |         |                                                                  |         |

# Crimping tools

## CRIMPFOX

The extensive CRIMPFOX product range offers the professional user a new generation of crimping pliers. A special power transmission principle reduces the amount of force required by up to 30%. The optimum handle geometry also makes for light and comfortable working. The integrated pressure lock ensures long-term stable, high-quality, gas-tight crimping.

### Professional crimping

Mechanical crimping pliers can be used to crimp all types of contact safely and effortlessly.

- Easy and convenient handling, thanks to the ergonomic handle design
- Durable, thanks to high-quality components and raw materials
- Process-reliable, thanks to the integrated pressure lock
- The optimum leverage allows for an effortless application





### The right pliers for every application

Depending on the area of application, you can choose between tools with lateral or front crimp entry.



### High-quality crimping

Precise dies and an integrated pressure lock ensure long-term stable, gas-tight crimping. The releasable pressure lock makes sure that the crimp cycle is carried out in full.



### One for all

With their easily interchangeable dies, the CRIMPFOX series of universal crimping pliers can be used to process a wide range of contacts up to 120 mm<sup>2</sup>.

## Overview of crimping tools for ferrules, connectors, and more

### Ferrules for insulated and non-insulated contacts

|  | Crimping tool designation | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-----------------------------------------------------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                   | CRIMPFOX 2,5-M            | 1212719   | 0.25 ... 2.5                  | 24 ... 14                     | 34   |
|                                                                                   | CRIMPFOX 6                | 1212034   | 0.25 ... 6                    | 24 ... 10                     | 34   |
|                                                                                   | CRIMPFOX 6-M              | 1212720   | 0.25 ... 6                    | 24 ... 10                     | 34   |
|                                                                                   | CRIMPFOX 6S-F             | 1212043   | 0.5 ... 6                     | 20 ... 10                     | 34   |
|                                                                                   | CRIMPFOX 6T               | 1212037   | 0.25 ... 6                    | 24 ... 10                     | 34   |
|                                                                                   | CRIMPFOX 6TF              | 1212038   | 0.25 ... 6                    | 24 ... 10                     | 34   |
|                                                                                   | CRIMPFOX 10               | 1212721   | 4 ... 10                      | 12 ... 8                      | 34   |
|                                                                                   | CRIMPFOX 25R              | 1212039   | 10 ... 25                     | 8 ... 4                       | 34   |
|                                                                                   | CRIMPFOX 50R              | 1212041   | 35 ... 50                     | 2 ... 1                       | 34   |
|                                                                                   | CRIMPFOX CENTRUS 6S       | 1213144   | 0.14 ... 6                    | 26 ... 10                     | 34   |
|                                                                                   | CRIMPFOX CENTRUS 10S      | 1213154   | 0.14 ... 10                   | 26 ... 8                      | 34   |
|                                                                                   | CRIMPFOX CENTRUS 6H       | 1213146   | 0.14 ... 6                    | 26 ... 10                     | 34   |
|                                                                                   | CRIMPFOX CENTRUS 10H      | 1213156   | 0.14 ... 10                   | 26 ... 8                      | 34   |
|                                                                                   | CRIMPFOX 16R TWIN         | 1212845   | 2 x 6, 10, 16                 | 2 x 10, 8, 4                  | 34   |

### Cable lugs and connectors

|  | Crimping tool designation        | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-----------------------------------------------------------------------------------|----------------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                   | CRIMPFOX-RCI 1                   | 1212055   | 0.14 ... 1                    | 26 ... 18                     | 35   |
|                                                                                   | CRIMPFOX-RCI 1-M                 | 1212727   | 0.14 ... 1                    | 26 ... 18                     | 35   |
|                                                                                   | CRIMPFOX-RCI 2,5                 | 1212053   | 0.5 ... 2.5                   | 20 ... 14                     | 35   |
|                                                                                   | CRIMPFOX-RCI 2,5-M               | 1212728   | 0.5 ... 2.5                   | 20 ... 14                     | 35   |
|                                                                                   | CRIMPFOX-RCI 6                   | 1212057   | 0.5 ... 6                     | 20 ... 10                     | 35   |
|                                                                                   | CRIMPFOX-RCI 6-M                 | 1212730   | 0.5 ... 6                     | 20 ... 10                     | 35   |
|                                                                                   | CRIMPFOX-RCI DIN 6               | 1212729   | 0.5 ... 6                     | 20 ... 10                     | 35   |
|                                                                                   | CRIMPFOX-RCI 6-1                 | 1212059   | 0.5 ... 6                     | 20 ... 10                     | 35   |
|                                                                                   | CRIMPFOX-HS 6 (shrink connector) | 1212722   | 0.5 ... 6                     | 20 ... 10                     | 35   |

### Non-insulated cable lugs

|  | Crimping tool designation              | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-------------------------------------------------------------------------------------|----------------------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                     | CRIMPFOX RC 2,5                        | 1212063   | 0.75 ... 2.5                  | 22 ... 14                     | 36   |
|                                                                                     | CRIMPFOX-RC 2,5-M                      | 1212723   | 0.75 ... 2.5                  | 22 ... 14                     | 36   |
|                                                                                     | CRIMPFOX-RC 6                          | 1212710   | 0.5 ... 6                     | 20 ... 10                     | 36   |
|                                                                                     | CRIMPFOX-RC 6-M                        | 1212724   | 0.5 ... 6                     | 20 ... 10                     | 36   |
|                                                                                     | CRIMPFOX RC 10                         | 1212061   | 4 ... 10                      | 12 ... 8                      | 36   |
|                                                                                     | CRIMPFOX RC 25                         | 1212065   | 10 ... 25                     | 8 ... 4                       | 36   |
|                                                                                     | CRIMPFOX-RCT 16 (tubular cable lugs)   | 1212731   | 4 ... 16                      | 12 ... 4                      | 36   |
|                                                                                     | CRIMPFOX RCT 25-1 (tubular cable lugs) | 1212066   | 10 ... 25                     | 8 ... 4                       | 36   |
|                                                                                     | CRIMPFOX-RCT 70 (tubular cable lugs)   | 1212732   | 10 ... 70                     | 8 ... 00                      | 37   |

### Non-insulated slip-on sleeves

|  | Crimping tool designation | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-------------------------------------------------------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                     | CRIMPFOX-SC 1,5           | 1212048   | 0.1 ... 1.5                   | 26 ... 16                     | 37   |
|                                                                                     | CRIMPFOX-SC 1,5-M         | 1212725   | 0.1 ... 1.5                   | 26 ... 16                     | 37   |
|                                                                                     | CRIMPFOX-SC 6L            | 1212052   | 0.5 ... 6                     | 22 ... 10                     | 37   |
|                                                                                     | CRIMPFOX-SC 6             | 1212050   | 0.5 ... 6                     | 22 ... 10                     | 37   |
|                                                                                     | CRIMPFOX-SCA 2,5-M        | 1212726   | 1 ... 2.5                     | 18 ... 14                     | 37   |

### Turned contacts

|  | Crimping tool designation | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-------------------------------------------------------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                     | CRIMPFOX-TC 4             | 1212113   | 0.14 ... 4                    | 26 ... 12                     | 38   |
|                                                                                     | CRIMPFOX-TC 10            | 1212114   | 4 ... 10                      | 12 ... 8                      | 38   |
|                                                                                     | CRIMPFOX-TC MP            | 1212510   | 0.08 ... 2.5                  | 28 ... 14                     | 38   |
|                                                                                     | CRIMPFOX-TC MP-1          | 1212620   | 0.08 ... 2.5                  | 28 ... 14                     | 38   |

## Overview of crimping tools for ferrules, connectors, and more

### Reel ferrules

|  | Crimping tool designation | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-----------------------------------------------------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                   | CRIMPFOX 4 IN 1           | 1200101   | 0.5 ... 2.5                   | 20 ... 14                     | 36   |

### Coaxial connectors/fiber optic connectors

|  | Crimping tool designation | Order No. | Hex wrench width across flats [mm] | Page |
|-----------------------------------------------------------------------------------|---------------------------|-----------|------------------------------------|------|
|                                                                                   | CRIMPFOX-FO 5,41          | 1212099   | 3.25/3.84/4.52/5.0/5.41            | 38   |
|                                                                                   | CRIMPFOX-CX 4,52          | 1212094   | 1.69/3.25/4.52                     | 38   |
|                                                                                   | CRIMPFOX-CX 6,48          | 1212095   | 1.69/5.41/6.48                     | 38   |
|                                                                                   | CRIMPFOX-CX 9,14          | 1212096   | 1.73/8.23/9.14                     | 39   |
|                                                                                   | CRIMPFOX-CX 10,54         | 1212097   | 2.54/10.54                         | 39   |
|                                                                                   | CRIMPFOX-CX 10,90         | 1212098   | 2.54/10.90                         | 39   |
|                                                                                   | CRIMPFOX-CX 4,52-M        | 1212713   | 1.69/3.25/4.52                     | 38   |
|                                                                                   | CRIMPFOX-CX 5,41-M        | 1212712   | 0.7/1.07/1.69/3.25/4.52/5.41       | 38   |
|                                                                                   | CRIMPFOX-CX 6,48-M        | 1212714   | 1.69/5.41/6.48                     | 38   |
|                                                                                   | CRIMPFOX-CX 7,06 HD-M     | 1212718   | 1.04/4.52/6.48/7.06                | 38   |
|                                                                                   | CRIMPFOX-CX 10,90-1       | 1212715   | 1.69/2.54/5.41/10.90               | 39   |

### D-SUB contacts

|  | Crimping tool designation | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|------------------------------------------------------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                    | CRIMPFOX-DSUB 5           | 1212111   | 0.08 ... 0.5                  | 28 ... 22                     | 39   |
|                                                                                    | CRIMPFOX-DSUB 5-1         | 1212711   | 0.05 ... 0.5                  | 30 ... 22                     | 39   |
|                                                                                    | CRIMPFOX-TC MP            | 1212510   | 0.08 ... 1.0                  | 28 ... 18                     | 38   |
|                                                                                    |                           |           |                               |                               |      |

### Solar connectors

|  | Crimping tool designation | Order No. | Conductor cross section [mm²] | Conductor cross section [AWG] | Page |
|-------------------------------------------------------------------------------------|---------------------------|-----------|-------------------------------|-------------------------------|------|
|                                                                                     | CRIMPFOX-SR 6-1           | 1212467   | 2.5 ... 6                     | 14 ... 10                     | 40   |
|                                                                                     | CRIMPFOX-SR 6-2           | 1212468   | 2.5 ... 6                     | 14 ... 10                     | 40   |
|                                                                                     | CRIMPFOX-SR 6-3           | 1212469   | 2.5 ... 6                     | 14 ... 10                     | 40   |
|                                                                                     | CRIMPFOX-P SR 6           | 1212755   | 2.5 ... 6                     | 14 ... 10                     | 39   |

### Coaxial CATV connectors

|  | Crimping tool designation | Order No. | Conductor      | Page |
|-------------------------------------------------------------------------------------|---------------------------|-----------|----------------|------|
|                                                                                     | CRIMPFOX-CATV 8,23        | 1212716   | 1.69/8.23      | 40   |
|                                                                                     | CRIMPFOX-CATV 8,23-1      | 1212717   | 6.65/8.23/9.70 | 40   |

### Data connectors

|  | Crimping tool designation | Order No. | Data connector types       | Page |
|-------------------------------------------------------------------------------------|---------------------------|-----------|----------------------------|------|
|                                                                                     | CRIMPFOX-C D              | 1212734   | RJ 11, 22, 45, 45U/10P/MMJ | 40   |

## CRIMPFOX crimping tools



### Crimping pliers for ferrules

The CRIMPFOX CENTRUS automatically adjusts to the respective cross section and offers a reliable application in so doing. The minimal gripping distance and the ergonomic handle shape enable comfortable use, with up to 30% less manual force. Also ideally suited for TWIN sleeves.



| Type                                       | Order No.              | CRIMPFOX CENTRUS 6S      | 1213144 | CRIMPFOX CENTRUS 6H      | 1213146 |
|--------------------------------------------|------------------------|--------------------------|---------|--------------------------|---------|
| With laser engraving upon customer request |                        | CRIMPFOX CENTRUS 6S CUS  | 1213164 | CRIMPFOX CENTRUS 6H CUS  | 1213166 |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 0.14 ... 6/26 ... 10     |         | 0.14 ... 6/26 ... 10     |         |
| Type                                       | Order No.              | CRIMPFOX CENTRUS 10S     | 1213154 | CRIMPFOX CENTRUS 10H     | 1213156 |
| With laser engraving upon customer request |                        | CRIMPFOX CENTRUS 10S CUS | 1213174 | CRIMPFOX CENTRUS 10H CUS | 1213176 |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 0.14 ... 10/26 ... 8     |         | 0.14 ... 10/26 ... 8     |         |

#### Accessories

|                                 |                |         |                |         |
|---------------------------------|----------------|---------|----------------|---------|
| Replacement recuperating spring | CRIMPFOX/SPR-4 | 1200288 | CRIMPFOX/SPR-4 | 1200288 |
|---------------------------------|----------------|---------|----------------|---------|

The self-adjusting die of the crimping pliers automatically adapts to the size of the connector and impresses with its quick and reliable contact processing method.



| Type                                       | Order No.              | CRIMPFOX 6S-F       | 1212043 | CRIMPFOX 6T          | 1212037 | CRIMPFOX 6T-F        | 1212038 |
|--------------------------------------------|------------------------|---------------------|---------|----------------------|---------|----------------------|---------|
| With laser engraving upon customer request |                        | CRIMPFOX 6 S-F CUS  | 1212769 | CRIMPFOX 6T CUS      | 1212770 | CRIMPFOX 6T-F CUS    | 1212771 |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 0.5 ... 6/20 ... 10 |         | 0.25 ... 6/24 ... 10 |         | 0.25 ... 6/24 ... 10 |         |

#### Accessories

|                                 |                |         |                |         |                |         |
|---------------------------------|----------------|---------|----------------|---------|----------------|---------|
| Replacement die                 |                |         |                |         |                |         |
| Replacement recuperating spring | CRIMPFOX/SPR-3 | 1212036 | CRIMPFOX/SPR-1 | 1212069 | CRIMPFOX/SPR-1 | 1212069 |

The CRIMPFOX pliers are equipped with a pressure lock (unlockable without tools). The innovative design and ergonomically shaped handles reduce the amount of force required.



| Type                                       | Order No.              | CRIMPFOX 6           | 1212034 | CRIMPFOX 6-M         | 1212720 | CRIMPFOX 10       | 1212721 |
|--------------------------------------------|------------------------|----------------------|---------|----------------------|---------|-------------------|---------|
| With laser engraving upon customer request |                        | CRIMPFOX 6 CUS       | 1212767 |                      |         |                   |         |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 0.25 ... 6/24 ... 10 |         | 0.25 ... 6/24 ... 10 |         | 4 ... 10/12 ... 8 |         |

#### Accessories

|                                 |                |         |                |         |
|---------------------------------|----------------|---------|----------------|---------|
| Replacement die                 | CRIMPFOX 6/DIE | 1212035 |                |         |
| Replacement recuperating spring | CRIMPFOX/SPR-3 | 1212036 | CRIMPFOX/SPR-1 | 1212069 |
|                                 |                |         | CRIMPFOX/SPR-1 | 1212069 |

Even large cross sections can be processed easily and with very little force using this series of pliers. The integrated pressure lock ensures consistent high-quality results every time.



| Type                                       | Order No.              | CRIMPFOX 25R      | 1212039 | CRIMPFOX 50R      | 1212041 | CRIMPFOX 16R TWIN          | 1212845 |
|--------------------------------------------|------------------------|-------------------|---------|-------------------|---------|----------------------------|---------|
| With laser engraving upon customer request |                        | CRIMPFOX 25R CUS  | 1212765 | CRIMPFOX 50R CUS  | 1212766 |                            |         |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 10 ... 25/8 ... 4 |         | 35 ... 50/2 ... 1 |         | 2 x 6, 10, 16/2 x 10, 8, 4 |         |

#### Accessories

|                                 |                  |         |                  |         |                       |         |
|---------------------------------|------------------|---------|------------------|---------|-----------------------|---------|
| Replacement die                 | CRIMPFOX 25R/DIE | 1212040 | CRIMPFOX 50R/DIE | 1212042 | CRIMPFOX 16R TWIN/DIE | 1212846 |
| Replacement recuperating spring | CRIMPFOX/SPR-1   | 1212069 | CRIMPFOX/SPR-1   | 1212069 | CRIMPFOX/SPR-1        | 1212069 |

## CRIMPFOX crimping tools



### Crimping pliers for insulated cable lugs and connectors

The color-coded dies for the CRIMPFOX RCI pliers clearly indicate the cross section. The precision-manufactured dies ensure consistently high levels of quality during contact processing.



|                                            |           |                           |                         |                             |                         |
|--------------------------------------------|-----------|---------------------------|-------------------------|-----------------------------|-------------------------|
| Type                                       | Order No. | <b>CRIMPFOX-RCI 1</b>     | <a href="#">1212055</a> | <b>CRIMPFOX-RCI 2,5</b>     | <a href="#">1212053</a> |
| With laser engraving upon customer request |           | <b>CRIMPFOX-RCI 1 CUS</b> | <a href="#">1212772</a> | <b>CRIMPFOX-RCI 2,5 CUS</b> | <a href="#">1212773</a> |
| Conductor                                  | [mm²]/AWG | 0.14 ... 1/26 ... 18      |                         | 0.75 ... 2.5/20 ... 14      |                         |

#### Accessories

|                                 |                           |                         |                             |                         |
|---------------------------------|---------------------------|-------------------------|-----------------------------|-------------------------|
| Replacement die                 | <b>CRIMPFOX-RCI 1/DIE</b> | <a href="#">1212056</a> | <b>CRIMPFOX-RCI 2,5/DIE</b> | <a href="#">1212054</a> |
| Replacement recuperating spring | <b>CRIMPFOX/SPR-3</b>     | <a href="#">1212036</a> | <b>CRIMPFOX/SPR-3</b>       | <a href="#">1212036</a> |

The RCI...M crimping pliers have a compact frame. The actuation force required is kept to a minimum, thanks to the optimized leverage. The fixing print run on the lower handle edge is set on the surfaces, to support manual force.



|           |           |                         |                         |                           |                         |                         |                         |
|-----------|-----------|-------------------------|-------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| Type      | Order No. | <b>CRIMPFOX-RCI 1-M</b> | <a href="#">1212727</a> | <b>CRIMPFOX-RCI 2,5-M</b> | <a href="#">1212728</a> | <b>CRIMPFOX-RCI 6-M</b> | <a href="#">1212730</a> |
| Conductor | [mm²]/AWG | 0.14 ... 1/26 ... 18    |                         | 0.75 ... 2.5/20 ... 14    |                         | 0.75 ... 6/20 ... 10    |                         |

#### Accessories

|                                 |                |                         |                |                         |                         |                         |
|---------------------------------|----------------|-------------------------|----------------|-------------------------|-------------------------|-------------------------|
| Replacement die                 |                |                         |                | CRIMPFOX-RCI 6/DIE      | <a href="#">1212058</a> |                         |
| Replacement recuperating spring | CRIMPFOX/SPR-1 | <a href="#">1212069</a> | CRIMPFOX/SPR-1 | <a href="#">1212069</a> | CRIMPFOX/SPR-1          | <a href="#">1212069</a> |

The ergonomically designed handles and the optimized mechanical transmission ensure an optimum grip and significantly reduce the amount of force required.



|                                            |           |                           |                         |                             |                         |                           |                         |
|--------------------------------------------|-----------|---------------------------|-------------------------|-----------------------------|-------------------------|---------------------------|-------------------------|
| Type                                       | Order No. | <b>CRIMPFOX-RCI 6</b>     | <a href="#">1212057</a> | <b>CRIMPFOX-RCI 6-1</b>     | <a href="#">1212059</a> | <b>CRIMPFOX-RCI DIN 6</b> | <a href="#">1212729</a> |
| With laser engraving upon customer request |           | <b>CRIMPFOX-RCI 6 CUS</b> | <a href="#">1212774</a> | <b>CRIMPFOX-RCI 6-1 CUS</b> | <a href="#">1212775</a> |                           |                         |
| Conductor                                  | [mm²]/AWG | 0.75 ... 6/20 ... 10      |                         | 0.75 ... 6/20 ... 10        |                         | 0.75 ... 6/20 ... 10      |                         |

#### Accessories

|                                 |                           |                         |                             |                         |                           |                         |
|---------------------------------|---------------------------|-------------------------|-----------------------------|-------------------------|---------------------------|-------------------------|
| Replacement die                 | <b>CRIMPFOX-RCI 6/DIE</b> | <a href="#">1212058</a> | <b>CRIMPFOX-RCI 6-1/DIE</b> | <a href="#">1212290</a> | <b>CRIMPFOX-RCI 6/DIE</b> | <a href="#">1212058</a> |
| Replacement recuperating spring | <b>CRIMPFOX/SPR-1</b>     | <a href="#">1212069</a> | <b>CRIMPFOX/SPR-1</b>       | <a href="#">1212069</a> | <b>CRIMPFOX/SPR-1</b>     | <a href="#">1212069</a> |

The CRIMPFOX-HS 6 is suitable for processing shrink connectors. The balanced weight distribution offers a low-fatigue, convenient application.



|           |           |                      |                         |  |  |
|-----------|-----------|----------------------|-------------------------|--|--|
| Type      | Order No. | <b>CRIMPFOX-HS 6</b> | <a href="#">1212722</a> |  |  |
| Conductor | [mm²]/AWG | 0.5 ... 6/20 ... 10  |                         |  |  |

#### Accessories

|                                 |                       |                         |  |  |
|---------------------------------|-----------------------|-------------------------|--|--|
| Replacement recuperating spring | <b>CRIMPFOX/SPR-1</b> | <a href="#">1212069</a> |  |  |
|---------------------------------|-----------------------|-------------------------|--|--|

## CRIMPFOX crimping tools



### Multi-functional crimping pliers for ferrules

The CRIMPFOX 4IN1 unites four functions in one tool: cutting, stripping, twisting, and crimping. Taped ferrules can be processed conveniently and while saving time in so doing.

Find corresponding ferrules on page 51.

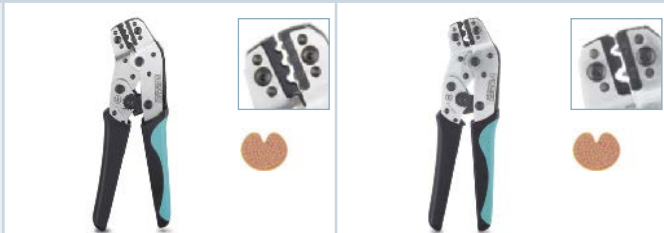


|                  |                        |                          |         |                          |         |
|------------------|------------------------|--------------------------|---------|--------------------------|---------|
| Type             | Order No.              | <b>CRIMPFOX 4IN1</b>     | 1200101 | <b>CRIMPFOX 4IN1 SET</b> | 1200102 |
| Conductor        | [mm <sup>2</sup> ]/AWG | 0.5 ... 2.5              |         | 0.5 ... 2.5              |         |
| Accessories      |                        |                          |         |                          |         |
| Ferrule magazine |                        | <b>CRIMPFOX 4IN1/MAG</b> | 1200103 |                          |         |



### Crimping pliers for non-insulated cable lugs and tubular cable lugs

The CRIMPFOX RC crimping pliers are used to process non-insulated cable lugs. They have an unlockable pressure lock and marked die stations for precise processing of corresponding cross sections.



|                                            |                        |                            |         |                       |         |
|--------------------------------------------|------------------------|----------------------------|---------|-----------------------|---------|
| Type                                       | Order No.              | <b>CRIMPFOX-RC 2,5</b>     | 1212063 | <b>CRIMPFOX-RC 6</b>  | 1212710 |
| With laser engraving upon customer request |                        | <b>CRIMPFOX-RC 2,5 CUS</b> | 1212777 |                       |         |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 0.34 ... 2.5/22 ... 14     |         | 0.5 ... 6/20 ... 10   |         |
| Accessories                                |                        |                            |         |                       |         |
| Replacement die                            |                        | <b>CRIMPFOX-RC 2,5/DIE</b> | 1212064 |                       |         |
| Replacement recuperating spring            |                        | <b>CRIMPFOX/SPR-3</b>      | 1212036 | <b>CRIMPFOX/SPR-3</b> | 1212036 |

The CRIMPFOX RC...M crimping pliers have a compact frame. The actuation force required is kept to a minimum during work, thanks to the optimized leverage.



|                                 |                        |                          |         |                        |         |
|---------------------------------|------------------------|--------------------------|---------|------------------------|---------|
| Type                            | Order No.              | <b>CRIMPFOX-RC 2,5-M</b> | 1212723 | <b>CRIMPFOX-RC 6-M</b> | 1212724 |
| Conductor                       | [mm <sup>2</sup> ]/AWG | 0.34 ... 2.5/22 ... 14   |         | 0.5 ... 6/20 ... 10    |         |
| Accessories                     |                        |                          |         |                        |         |
| Replacement recuperating spring |                        | <b>CRIMPFOX/SPR-3</b>    | 1212036 | <b>CRIMPFOX/SPR-3</b>  | 1212036 |

Non-insulated cable lugs can be processed conveniently and safely with the CRIMPFOX-RC... pliers. The fixing print run on the lower handle edge is set on the surfaces, to support manual force.



|                                            |                        |                           |         |                           |         |
|--------------------------------------------|------------------------|---------------------------|---------|---------------------------|---------|
| Type                                       | Order No.              | <b>CRIMPFOX-RC 10</b>     | 1212061 | <b>CRIMPFOX-RC 25</b>     | 1212065 |
| With laser engraving upon customer request |                        | <b>CRIMPFOX-RC 10 CUS</b> | 1212776 | <b>CRIMPFOX-RC 25 CUS</b> | 1212778 |
| Conductor                                  | [mm <sup>2</sup> ]/AWG | 4 ... 10/12 ... 8         |         | 10 ... 25/8 ... 4         |         |
| Accessories                                |                        |                           |         |                           |         |
| Replacement die                            |                        | <b>CRIMPFOX-RC 10/DIE</b> | 1212062 | <b>CRIMPFOX-RC 25/DIE</b> | 1212299 |
| Replacement recuperating spring            |                        | <b>CRIMPFOX/SPR-1</b>     | 1212069 | <b>CRIMPFOX/SPR-3</b>     | 1212036 |

## CRIMPFOX crimping tools



### Crimping pliers for non-insulated cable lugs and tubular cable lugs

The CRIMPFOX-RCT crimping pliers are used to process commercially available tubular cable lugs.

For additional information on the products, visit [phoenixcontact.com](http://phoenixcontact.com).

|                                 |           |                                                                                   |         |                                                                                    |         |                                                                                     |         |
|---------------------------------|-----------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
|                                 |           |  |         |  |         |  |         |
| Type                            | Order No. | CRIMPFOX-RCT 25-1                                                                 | 1212066 | CRIMPFOX-RCT 16-1                                                                  | 1212731 | CRIMPFOX-RCT 70-1                                                                   | 1212732 |
| Conductor                       | [mm²]/AWG | 10 ... 25/8 ... 4                                                                 |         | 4 ... 16/11 ... 5                                                                  |         | 10 ... 70/7 ... 00                                                                  |         |
| <b>Accessories</b>              |           |                                                                                   |         |                                                                                    |         |                                                                                     |         |
| Replacement die                 |           | CRIMPFOX-RCT 25-1/DIE                                                             | 1212300 |                                                                                    |         |                                                                                     |         |
| Replacement recuperating spring |           | CRIMPFOX/SPR-1                                                                    | 1212069 |                                                                                    |         |                                                                                     |         |



### Crimping pliers for non-insulated slip-on sleeves

The CRIMPFOX-SC... crimping pliers are suitable for processing non-insulated slip-on blade connectors and slip-on sleeves. The marked and precisely manufactured die stations enable precise processing. The CRIMPFOX-SCA 2,5-M is designed for processing angled slip-on sleeves.

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|          |          |    |                                                                    |
| <b>CRIMPFOX-SC 1,5</b><br><b>CRIMPFOX-SC 1,5 CUS</b><br>0.1 ... 1.5/26 ... 16                                                                                                                                                                               | <b>1212048</b><br><b>1212779</b>                                                                                                                                                                                                                                | <b>CRIMPFOX-SC 1,5-M</b><br><b>1212725</b><br>0.1 ... 1.5/26 ... 16                                                                                                                                                                                         | <b>CRIMPFOX-SCA 2,5-M</b><br><b>1212726</b><br>1 ... 2,5/18 ... 14 |
| <b>CRIMPFOX-SC 1,5/DIE</b><br><b>CRIMPFOX/SPR-3</b>                                                                                                                                                                                                         | <b>1212049</b><br><b>1212036</b>                                                                                                                                                                                                                                | <b>CRIMPFOX/SPR-1</b>                                                                                                                                                                                                                                       | <b>CRIMPFOX/SPR-1</b>                                              |
|    |    |                                                                                                                                                                                                                                                             |                                                                    |
| <b>CRIMPFOX-SC 6</b><br><b>CRIMPFOX-SC 6 CUS</b><br>0.5 ... 6/20 ... 10                                                                                                                                                                                     | <b>1212050</b><br><b>1212780</b>                                                                                                                                                                                                                                | <b>CRIMPFOX-SC 6L</b><br><b>1212052</b><br>0.5 ... 6/20 ... 10                                                                                                                                                                                              |                                                                    |
| <b>CRIMPFOX-SC 6/DIE</b><br><b>CRIMPFOX/SPR-1</b>                                                                                                                                                                                                           | <b>1212051</b><br><b>1212069</b>                                                                                                                                                                                                                                | <b>CRIMPFOX-SC 6/DIE</b><br><b>CRIMPFOX/SPR-1</b>                                                                                                                                                                                                           | <b>1212051</b><br><b>1212069</b>                                   |

## CRIMPFOX crimping tools



### Crimping pliers for turned contacts

The CRIMPFOX-TC... crimping pliers are used to process turned contacts up to 10 mm<sup>2</sup>. The integrated locator enables contacts to be positioned precisely in the die.

|                                 |                        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|---------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                 |                        |  |  |  |  |  |  |
| Type                            | Order No.              | CRIMPFOX-TC 4                                                                     | 1212113                                                                           | CRIMPFOX-TC 10                                                                     | 1212114                                                                             | CRIMPFOX-TC MP                                                                      | 1212510                                                                             |
| Conductor                       | [mm <sup>2</sup> ]/AWG | 0.14 ... 4/26 ... 12                                                              |                                                                                   | 4 ... 10/12 ... 8                                                                  |                                                                                     | 0.08 ... 2.5/28 ... 14                                                              |                                                                                     |
| Accessories                     |                        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Replacement die                 |                        | CRIMPFOX-TC 4/DIE                                                                 | 1212295                                                                           | CRIMPFOX-TC 10/DIE                                                                 | 1212296                                                                             |                                                                                     |                                                                                     |
| Replacement recuperating spring |                        | CRIMPFOX/SPR-1                                                                    | 1212069                                                                           | CRIMPFOX/SPR-1                                                                     | 1212069                                                                             |                                                                                     |                                                                                     |



### Crimping pliers for fiber optic connectors

The CRIMPFOX-FO is used to process fiber optic connectors. The five marked die stations enable precise processing of different contact sizes.

|                                 |           |                                                                                   |                                                                                   |  |  |  |  |
|---------------------------------|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|--|--|--|
|                                 |           |  |  |  |  |  |  |
| Type                            | Order No. | CRIMPFOX-FO 5,41                                                                  | 1212099                                                                           |  |  |  |  |
| Die stations 1/2/3/4/5          | [mm]      | 3.25/3.84/4.52/5.0/5.41                                                           |                                                                                   |  |  |  |  |
| Accessories                     |           |                                                                                   |                                                                                   |  |  |  |  |
| Replacement die                 |           | CRIMPFOX-FO 5,41/DIE                                                              | 1212294                                                                           |  |  |  |  |
| Replacement recuperating spring |           | CRIMPFOX/SPR-1                                                                    | 1212069                                                                           |  |  |  |  |



### Crimping pliers for coaxial connectors

The CRIMPFOX-CX... crimping pliers are used to process coaxial connectors. Equipped with a pressure lock, the pliers provide consistently high-quality crimping. Refer to page 21 for 2 and 3-stage stripping tools.

|                              |           |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|------------------------------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                              |           |  |  |  |  |  |  |
| Type                         | Order No. | CRIMPFOX-CX 4,52                                                                    | 1212094                                                                             | CRIMPFOX-CX 6,48                                                                     | 1212095                                                                               | CRIMPFOX-CX 7,06 HD-M                                                                 | 1212718                                                                               |
| Die stations 1/2/3/4         | [mm]      | 1.69/3.25/4.52                                                                      |                                                                                     | 1.69/5.41/6.48                                                                       |                                                                                       | 1.04/4.52/6.48/7.06                                                                   |                                                                                       |
| Accessories                  |           |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
| Replacement die              |           | CRIMPFOX-CX 4,52/DIE                                                                | 1212284                                                                             | CRIMPFOX-CX 6,48/DIE                                                                 | 1212286                                                                               |                                                                                       |                                                                                       |
| Replacement retention spring |           | CRIMPFOX/SPR-3                                                                      | 1212036                                                                             | CRIMPFOX/SPR-3                                                                       | 1212036                                                                               | CRIMPFOX/SPR-1                                                                        | 1212069                                                                               |
|                              |           |  |  |  |  |  |  |
| Type                         | Order No. | CRIMPFOX-CX 4,52-M                                                                  | 1212713                                                                             | CRIMPFOX-CX 5,41-M                                                                   | 1212712                                                                               | CRIMPFOX-CX 6,48-M                                                                    | 1212714                                                                               |
| Die stations 1/2/3/4/5/6     | [mm]      | 1.69/3.25/4.52                                                                      |                                                                                     | 0.7/1.07/1.69/3.25/4.52/5.41                                                         |                                                                                       | 1.69/5.41/6.48                                                                        |                                                                                       |
| Accessories                  |           |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
| Replacement retention spring |           | CRIMPFOX/SPR-1                                                                      | 1212069                                                                             | CRIMPFOX/SPR-1                                                                       | 1212069                                                                               | CRIMPFOX/SPR-1                                                                        | 1212069                                                                               |

## CRIMPFOX crimping tools



### Crimping pliers for coaxial connectors

The innovative mechanical design of these pliers means that up to 25% less force is required compared to conventional pliers. The balanced weight distribution offers a low-fatigue, convenient application.

|                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |    |  |  |  |
|  |                                                                                   |  |                                                                                     |  |                                                                                     |
| <b>CRIMPFOX-CX 9,14</b>                                                           |                                                                                   | <b>CRIMPFOX-CX 10,54</b>                                                            |                                                                                     | <b>CRIMPFOX-CX 10,90</b>                                                            |                                                                                     |
| 1.73/8.23/9.14                                                                    |                                                                                   | 2.54/10.54                                                                          |                                                                                     | 2.54/10.90                                                                          |                                                                                     |
| 1212096                                                                           |                                                                                   | 1212097                                                                             |                                                                                     | 1212098                                                                             |                                                                                     |

#### Accessories

|                              |                                                     |                                                      |                                                      |
|------------------------------|-----------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Replacement die              | <b>CRIMPFOX-CX 9,14/DIE</b> <a href="#">1212293</a> | <b>CRIMPFOX-CX 10,54/DIE</b> <a href="#">1212291</a> | <b>CRIMPFOX-CX 10,90/DIE</b> <a href="#">1212292</a> |
| Replacement retention spring | <b>CRIMPFOX/SPR-1</b> <a href="#">1212069</a>       | <b>CRIMPFOX/SPR-1</b> <a href="#">1212069</a>        | <b>CRIMPFOX/SPR-1</b> <a href="#">1212069</a>        |

Coaxial connectors can be processed conveniently and safely with the CRIMPFOX-CX... pliers. The fixing print run on the lower handle edge is set on the surfaces, to support manual force.

|                                                                                   |                                                                                   |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|--|
|  |  |  |  |
| <b>CRIMPFOX-CX 10,90-1</b>                                                        | 1212715                                                                           |  |  |
| 1.69/2.54/5.41/10.90                                                              |                                                                                   |  |  |
|                                                                                   |                                                                                   |  |  |
| <b>CRIMPFOX/SPR-1</b>                                                             | 1212069                                                                           |  |  |



### Crimping pliers for D-SUB contacts

The compact CRIMPFOX-DSUB crimping pliers with positioning assistance offer safe and convenient processing of D-SUB contacts up to 0.5 mm².

CRIMPFOX-DSUB 5 for high density  
CRIMPFOX-DSUB 5-1 for standard

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|  |  |  |  |  |
| <b>CRIMPFOX-DSUB 5</b>                                                              | <a href="#">1212111</a>                                                             | <b>CRIMPFOX-DSUB 5-1</b>                                                            | <a href="#">1212711</a>                                                               |  |
| 0.08 ... 0.5/28 ... 22                                                              |                                                                                     | 0.05 ... 0.5/30 ... 22                                                              |                                                                                       |  |
|                                                                                     |                                                                                     |                                                                                     |                                                                                       |  |
| <b>CRIMPFOX-DSUB 5/DIE</b>                                                          | <a href="#">1212287</a>                                                             |                                                                                     |                                                                                       |  |
| <b>CRIMPFOX/SPR-3</b>                                                               | <a href="#">1212036</a>                                                             | <b>CRIMPFOX/SPR-3</b>                                                               | <a href="#">1212036</a>                                                               |  |



### Crimping pliers for crimp snap-in contacts

The CRIMPFOX-P SR 6 crimping pliers processes Phoenix Contact SUNCLIX solar crimp connectors that are 2.5 to 6 mm² in length. The precise parallel linear dies, combined with the positioning assistance, ensure a precise and process-safe contact processing.

The UNIFOX SR 6 are used as mounting pliers for SUNCLIX connectors.

|                                                                                     |                                                                                                                                                                            |                                                                                      |                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------|
|  | <br> |  |                |
| <b>CRIMPFOX-P SR 6</b>                                                              | <b>1212755</b>                                                                                                                                                             | <b>UNIFOX SR 6</b>                                                                   | <b>1200137</b> |

## CRIMPFOX crimping tools



### Crimping pliers for solar connectors

The CRIMPFOX-SR-6 pliers are used to process MC3 and MC4 solar connectors from Multi-Contact and SOLARLOK connectors from Tyco. An integrated locator enables easy processing with optimum crimping results.

|                                 |                    |                                                                                   |         |                                                                                    |         |                                                                                     |         |
|---------------------------------|--------------------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
|                                 |                    |  |         |  |         |  |         |
| Type                            | Order No.          | CRIMPFOX-SR 6-1                                                                   | 1212467 | CRIMPFOX-SR 6-2                                                                    | 1212468 | CRIMPFOX-SR 6-3                                                                     | 1212469 |
| Conductor                       | [mm <sup>2</sup> ] | 2.5 ... 6                                                                         |         | 2.5 ... 6                                                                          |         | 2.5 ... 6                                                                           |         |
| For solar connectors            |                    | MC3                                                                               |         | MC4                                                                                |         | SOLARLOK                                                                            |         |
| Accessories                     |                    |                                                                                   |         |                                                                                    |         |                                                                                     |         |
| Replacement recuperating spring |                    | CRIMPFOX/SPR-1                                                                    | 1212069 | CRIMPFOX/SPR-1                                                                     | 1212069 | CRIMPFOX/SPR-1                                                                      | 1212069 |



### Crimping pliers for coaxial CATV connectors

The innovative mechanical design of these pliers means that up to 25% less force is required compared to conventional pliers. The balanced weight distribution offers a low-fatigue, convenient application.

|                                 |           |                                                                                    |         |                                                                                     |         |                |         |
|---------------------------------|-----------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|----------------|---------|
|                                 |           |  |         |  |         |                |         |
| Type                            | Order No. | CRIMPFOX-CATV 8,23                                                                 | 1212716 | CRIMPFOX-CATV 8,23-1                                                                | 1212717 |                |         |
| Die stations 1/2/3              | [mm]      | 1.69/8.23                                                                          |         | 6.65/8.23/9.70                                                                      |         |                |         |
| Accessories                     |           |                                                                                    |         |                                                                                     |         |                |         |
| Replacement recuperating spring |           | CRIMPFOX/SPR-1                                                                     | 1212069 | CRIMPFOX/SPR-1                                                                      | 1212069 | CRIMPFOX/SPR-1 | 1212069 |



### Universal pliers for data connectors for accommodating various dies

The CRIMPFOX-C D is a universal tool for use with data connectors. One of its key features is the way the dies can be quickly replaced without the need for tools.

|                                               |           |                                                                                     |         |                                                                                      |         |  |  |
|-----------------------------------------------|-----------|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|--|--|
|                                               |           |  |         |  |         |  |  |
| Type                                          | Order No. | CRIMPFOX-C D                                                                        | 1212734 | CRIMPFOX-C RJ11/DIE                                                                  | 1212735 |  |  |
| Die for unshielded RJ11 connectors            |           |                                                                                     |         | CRIMPFOX-C RJ22/DIE                                                                  | 1212736 |  |  |
| Die for unshielded RJ22 connectors            |           |                                                                                     |         | CRIMPFOX-C RJ45/DIE                                                                  | 1212737 |  |  |
| Die for unshielded RJ45 connectors            |           |                                                                                     |         | CRIMPFOX-C RJ45U/DIE                                                                 | 1212738 |  |  |
| Die for unshielded RJ45 connectors, universal |           |                                                                                     |         | CRIMPFOX-C 10P/DIE                                                                   | 1212739 |  |  |
| Die, 10-pos.                                  |           |                                                                                     |         | CRIMPFOX-C MMJ/DIE                                                                   | 1212740 |  |  |
| Die for DEC MML connectors                    |           |                                                                                     |         |                                                                                      |         |  |  |

# CRIMPFOX crimping tools

## Universal pliers for accommodating various crimp inserts

One of the key features of the CRIMPFOX-M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools. The tool offers reliable contact processing with the integrated pressure lock. The variety of inserts makes them a space-saving universal tool for all applications.



| Type                                                                  | Order No. | CRIMPFOX-M               | 1212072 | CRIMPFOX-M SET                  | 1212093                            |
|-----------------------------------------------------------------------|-----------|--------------------------|---------|---------------------------------|------------------------------------|
|                                                                       |           | Basic pliers without die |         | Contents: CRIMPFOX-M and 4 dies | 1212074, 1212079, 1212080, 1212081 |
| <b>Accessories</b>                                                    |           |                          |         |                                 |                                    |
| <b>Die for ferrules</b>                                               |           |                          |         |                                 |                                    |
| 0.25 ... 10 mm <sup>2</sup>                                           |           | CRIMPFOX-M 10/DIE        | 1212080 | CRIMPFOX-M 10/DIE               | 1212080 (included in the set)      |
| 16 ... 25 mm <sup>2</sup>                                             |           | CRIMPFOX-M 25/DIE        | 1212081 | CRIMPFOX-M 25/DIE               | 1212081 (included in the set)      |
| 35 ... 50 mm <sup>2</sup>                                             |           | CRIMPFOX-M 50/DIE        | 1212082 |                                 |                                    |
| <b>Die for insulated cable lugs</b>                                   |           |                          |         |                                 |                                    |
| 0.5 ... 1.5 mm <sup>2</sup> and 1.5 ... 2.5 mm <sup>2</sup>           |           | CRIMPFOX-M RCI 2,5/DIE   | 1212074 | CRIMPFOX-M RCI 2.5/DIE          | 1212074 (included in the set)      |
| 0.1 ... 0.4 mm <sup>2</sup> and 4 ... 6 mm <sup>2</sup>               |           | CRIMPFOX-M RCI 6/DIE     | 1212073 |                                 |                                    |
| <b>Die for non-insulated cable lugs</b>                               |           |                          |         |                                 |                                    |
| 0.75 - 2.5 mm <sup>2</sup>                                            |           | CRIMPFOX-M RC 2,5/DIE    | 1212078 |                                 |                                    |
| 0.5 ... 6 mm <sup>2</sup>                                             |           | CRIMPFOX-M RC 6/DIE      | 1212079 | CRIMPFOX-M RC 6/DIE             | 1212079 (included in the set)      |
| 4 ... 10 mm <sup>2</sup>                                              |           | CRIMPFOX-M RC 10/DIE     | 1212077 |                                 |                                    |
| 4 ... 6 mm <sup>2</sup> and 10 mm <sup>2</sup>                        |           | CRIMPFOX-M RC 10-1/DIE   | 1212744 |                                 |                                    |
| <b>Die for non-insulated slip-on sleeves</b>                          |           |                          |         |                                 |                                    |
| 0.1 ... 1 mm <sup>2</sup>                                             |           | CRIMPFOX-M SC 1/DIE      | 1212083 |                                 |                                    |
| 0.5 ... 2.5 mm <sup>2</sup>                                           |           | CRIMPFOX-M SC 2,5/DIE    | 1212084 |                                 |                                    |
| 0.5 ... 6 mm <sup>2</sup>                                             |           | CRIMPFOX-M SC 6/DIE      | 1212085 |                                 |                                    |
| 0.5 ... 6 mm <sup>2</sup> wide, flat crimp                            |           | CRIMPFOX-M SC 6-FL/DIE   | 1212741 |                                 |                                    |
| 1.0 ... 2.5 mm <sup>2</sup> , for angled slip-on sleeves, 6.3 mm      |           | CRIMPFOX-M SCA 2,5/DIE   | 1212742 |                                 |                                    |
| 1.0 ... 2.5 mm <sup>2</sup> , for angled slip-on sleeves, 8 mm        |           | CRIMPFOX-M SCA 2,5-1/DIE | 1212743 |                                 |                                    |
| <b>Die for turned contacts</b>                                        |           |                          |         |                                 |                                    |
| 2.5 ... 4.0 mm <sup>2</sup> /cross section: 0.5 ... 4 mm <sup>2</sup> |           | CRIMPFOX-M TC 4/DIE      | 1212075 |                                 |                                    |
| 4.0 mm <sup>2</sup> /cross section: 6 ... 10 mm <sup>2</sup>          |           | CRIMPFOX-M TC 10/DIE     | 1212076 |                                 |                                    |
| <b>Die for coaxial connectors</b>                                     |           |                          |         |                                 |                                    |
| RG 174, RG 179, BNC, TNC                                              |           | CRIMPFOX-M CX 1/DIE      | 1212087 |                                 |                                    |
| RG 58, RG 59, RG 62, RG 71, BNC, TNC                                  |           | CRIMPFOX-M CX 2/DIE      | 1212088 |                                 |                                    |
| CATV RG 6,59                                                          |           | CRIMPFOX-M CX 3/DIE      | 1212089 |                                 |                                    |
| BNC, TNC, RG6, 1.73, 6.48, 8.23                                       |           | CRIMPFOX-M CX 4/DIE      | 1212745 |                                 |                                    |
| BNC, TNC, 0.70, 3.25, 3.85                                            |           | CRIMPFOX-M CX 5/DIE      | 1212746 |                                 |                                    |
| BNC, TNC, 1.07, 6.48, 8.23                                            |           | CRIMPFOX-M CX 6/DIE      | 1212747 |                                 |                                    |
| BNC, TNC, 1.72, 5.41                                                  |           | CRIMPFOX-M CX 7/DIE      | 1212748 |                                 |                                    |
| BNC, TNC, 1.72, 8.23                                                  |           | CRIMPFOX-M CX 8/DIE      | 1212749 |                                 |                                    |
| <b>Die for unshielded RJ45 connectors</b>                             |           | CRIMPFOX-M RJ45/DIE      | 1212090 |                                 |                                    |
| <b>Die for unshielded RJ11 connectors</b>                             |           | CRIMPFOX-M RJ11/DIE      | 1212091 |                                 |                                    |
| <b>Die for shrink butt connectors</b>                                 |           |                          |         |                                 |                                    |
| 0.1 ... 0.4 mm <sup>2</sup> and 4 ... 6 mm <sup>2</sup>               |           | CRIMPFOX-M HS-1/DIE      | 1212282 |                                 |                                    |
| 0.5 ... 1.5 mm <sup>2</sup> and 1.5 ... 2.5 mm <sup>2</sup>           |           | CRIMPFOX-M HS/DIE        | 1219092 |                                 |                                    |
| <b>Die for solar connectors</b>                                       |           |                          |         |                                 |                                    |
| MC3, Multi-Contact, 2.5 ... 6 mm <sup>2</sup>                         |           | CRIMPFOX-M HS/DIE        | 1219092 |                                 |                                    |
| MC4, Multi-Contact, 2.5 ... 6 mm <sup>2</sup>                         |           | CRIMPFOX M SR 6-1/DIE    | 1212471 |                                 |                                    |
|                                                                       |           | CRIMPFOX M SR 6-2/DIE    | 1212472 |                                 |                                    |
| SOLARLOK, Tyco, 2.5 ... 6 mm <sup>2</sup>                             |           | CRIMPFOX M SR 6-3/DIE    | 1212473 |                                 |                                    |

## CRIMPFOX crimping tools

### Universal pliers for accommodating various crimp inserts

The wide variety of available dies means that the CRIMPFOX-C... pliers can be used as universal crimping tools up to 120 mm<sup>2</sup>. Easily foldable jaw holders allow the dies to be changed quickly. A mechanical drive system keeps the level of force required to an absolute minimum.



| Type                                                                                                                                                                  | Order No. | CRIMPFOX-C50              | 1212340 | CRIMPFOX-C120               | 1212318 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------|---------|-----------------------------|---------|
| <b>Accessories: die combinations for ferrules</b>                                    |           |                           |         |                             |         |
| <b>Upper die part</b>                                                                                                                                                 |           |                           |         |                             |         |
| 50 mm <sup>2</sup> , 70 mm <sup>2</sup>                                                                                                                               |           |                           |         | CRIMPFOX-C120 AI 70/M-DIE   | 1212335 |
| 95 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 AI 95/M-DIE   | 1212336 |
| <b>Lower die part</b>                                                                                                                                                 |           |                           |         |                             |         |
| 50 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 AI 50/F-DIE   | 1212337 |
| 70 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 AI 70/F-DIE   | 1212338 |
| 95 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 AI 95/F-DIE   | 1212339 |
| 120 mm <sup>2</sup> (die pair)                                                                                                                                        |           |                           |         | CRIMPFOX-C120 AI 120/DIE    | 1209910 |
| <b>Accessories: die combinations for non-insulated cable lugs</b>                    |           |                           |         |                             |         |
| <b>Upper die part</b>                                                                                                                                                 |           |                           |         |                             |         |
| 25 ... 35 mm <sup>2</sup>                                                                                                                                             |           | CRIMPFOX-C50 RC 35/M-DIE  | 1212343 |                             |         |
| 6 ... 70 mm <sup>2</sup>                                                                                                                                              |           |                           |         | CRIMPFOX-C120 RC 70/M-DIE   | 1212331 |
| <b>Lower die part</b>                                                                                                                                                 |           |                           |         |                             |         |
| 25 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RC 25/F-DIE  | 1212344 |                             |         |
| 35 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RC 35/F-DIE  | 1212345 |                             |         |
| 10, 16, 25, 35 mm <sup>2</sup>                                                                                                                                        |           |                           |         | CRIMPFOX-C120 RC 35/F-DIE   | 1212332 |
| 6, 50 mm <sup>2</sup>                                                                                                                                                 |           |                           |         | CRIMPFOX-C120 RC 50/F-DIE   | 1212333 |
| 10, 70 mm <sup>2</sup>                                                                                                                                                |           |                           |         | CRIMPFOX-C120 RC 70/F-DIE   | 1212334 |
| <b>Accessories: die pair for insulated cable lugs</b>                              |           |                           |         |                             |         |
| 10 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RCI 10/DIE   | 1212346 | CRIMPFOX-C120 RCI 10/DIE    | 1212327 |
| 16 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RCI 16/DIE   | 1212347 | CRIMPFOX-C120 RCI 16/DIE    | 1212328 |
| 25 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RCI 25/DIE   | 1212348 | CRIMPFOX-C120 RCI 25/DIE    | 1212329 |
| 35 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 RCI 35/DIE    | 1212330 |
| <b>Accessories: die pair for commercially available copper tubular cable lugs</b>  |           |                           |         |                             |         |
| 35 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RCT 35-1/DIE | 1212341 |                             |         |
| 16, 35 mm <sup>2</sup>                                                                                                                                                |           |                           |         | CRIMPFOX-C120 RCT 35-1/DIE  | 1212320 |
| 50 mm <sup>2</sup>                                                                                                                                                    |           | CRIMPFOX-C50 RCT 50-1/DIE | 1212342 |                             |         |
| 25, 50 mm <sup>2</sup>                                                                                                                                                |           |                           |         | CRIMPFOX-C120 RCT 50-1/DIE  | 1212321 |
| 10, 70 mm <sup>2</sup>                                                                                                                                                |           |                           |         | CRIMPFOX-C120 RCT 70-1/DIE  | 1212319 |
| 95 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 RCT 95-1/DIE  | 1212322 |
| 120 mm <sup>2</sup>                                                                                                                                                   |           |                           |         | CRIMPFOX-C120 RCT 120-1/DIE | 1212323 |
| <b>Accessories: pair of round dies for sector cables</b>                                                                                                              |           |                           |         |                             |         |
| 25, 35 mm <sup>2</sup>                                                                                                                                                |           | CRIMPFOX-C50 R25-35/DIE   | 1212349 |                             |         |
| 35, 50 mm <sup>2</sup>                                                                                                                                                |           | CRIMPFOX-C50 R35-50/DIE   | 1212350 |                             |         |
| 50, 70 mm <sup>2</sup>                                                                                                                                                |           | CRIMPFOX-C50 R50-70/DIE   | 1212351 |                             |         |
| 25, 50 mm <sup>2</sup>                                                                                                                                                |           |                           |         | CRIMPFOX-C120 R25-50/DIE    | 1212324 |
| 35, 70 mm <sup>2</sup>                                                                                                                                                |           |                           |         | CRIMPFOX-C120 R35-70/DIE    | 1212325 |
| 95 mm <sup>2</sup>                                                                                                                                                    |           |                           |         | CRIMPFOX-C120 R95/DIE       | 1212326 |

## CRIMPFOX – corresponding connectors for the CRIMPFOX series

### Ferrules without insulating collar

|                                                                                                                                                                                                                                                                                                                                                                                         | Conductor cross section [mm <sup>2</sup> ] | Cond. cross section [AWG] | Length [mm] | Designation ferrules | Order No.               | Color  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|-------------|----------------------|-------------------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.14 ... 0.25 <sup>1) 2)</sup>             | 26 ... 22                 | 5           | A0,25-5              | <a href="#">3202465</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.14 ... 0.25 <sup>1) 2)</sup>             | 26 ... 22                 | 7           | A0,25-7              | <a href="#">3202478</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.34 <sup>1) 2)</sup>                      | 22                        | 7           | A0,34-7              | <a href="#">3009202</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.5                                        | 20                        | 6           | A0,5-6               | <a href="#">3200218</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.5 <sup>1)</sup>                          | 20                        | 8           | A0,5-8               | <a href="#">3202481</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.5                                        | 20                        | 10          | A0,5-10              | <a href="#">3202494</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.75                                       | 18                        | 6           | A0,75-6              | <a href="#">3200221</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.75 <sup>1)</sup>                         | 18                        | 8           | A0,75-8              | <a href="#">3202504</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.75                                       | 18                        | 10          | A0,75-10             | <a href="#">3200234</a> | Silver |
| <p>The ferrules without plastic sleeve are made from soft tin-plated electrolytic copper.</p> <p>UL and CSA-certified</p> <p>Sleeve material: E-CU</p> <p>Coating: tin-plated</p> <p>Halogen-free</p> <p>Long-/short-term temperature: +105°C/+120°C</p> <p>The ferrules correspond to the requirements of DIN 46228-1 and UL 486F in terms of dimension.</p> <p>Refer to the overview list starting on page 86 for the suitable tools for crimping according to UL.</p> | 1                                          | 18                        | 6           | A1-6                 | <a href="#">3200247</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 <sup>1)</sup>                            | 18                        | 8           | A1-8                 | <a href="#">3202517</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                          | 18                        | 10          | A1-10                | <a href="#">3200250</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.5                                        | 16                        | 7           | A1,5-7               | <a href="#">3200263</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.5                                        | 16                        | 10          | A1,5-10              | <a href="#">3200276</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.5                                        | 16                        | 12          | A1,5-12              | <a href="#">3202588</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.5 <sup>1)</sup>                          | 16                        | 15          | A1,5-15              | <a href="#">3202591</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.5                                        | 16                        | 18          | A1,5-18              | <a href="#">3202601</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.5                                        | 14                        | 7           | A2,5-7               | <a href="#">3200289</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.5                                        | 14                        | 12          | A2,5-12              | <a href="#">3200292</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.5                                        | 14                        | 18          | A2,5-18              | <a href="#">3202821</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                          | 12                        | 9           | A4-9                 | <a href="#">3200302</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                          | 12                        | 12          | A4-12                | <a href="#">3200315</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                          | 12                        | 18          | A4-18                | <a href="#">3202834</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                                          | 10                        | 10          | A6-10                | <a href="#">3202520</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                                          | 10                        | 12          | A6-12                | <a href="#">3200328</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10                                         | 8                         | 12          | A10-12               | <a href="#">3200331</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10                                         | 8                         | 18          | A10-18               | <a href="#">3200344</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16                                         | 6                         | 12          | A16-12               | <a href="#">3200425</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25 <sup>1)</sup>                           | 4                         | 12          | A25-12               | <a href="#">3200357</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25                                         | 4                         | 15          | A25-15               | <a href="#">3200360</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25                                         | 4                         | 18          | A25-18               | <a href="#">3200373</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25 <sup>1) 2)</sup>                        | 4                         | 20          | A25-20               | <a href="#">3200386</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25 <sup>1) 2)</sup>                        | 4                         | 40          | A25-40               | <a href="#">3241238</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 35                                         | 2                         | 18          | A35-18               | <a href="#">3200399</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 35 <sup>1)</sup>                           | 2                         | 20          | A35-20               | <a href="#">3200409</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 35 <sup>1) 2)</sup>                        | 2                         | 40          | A35-40               | <a href="#">3241239</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50 <sup>1) 2)</sup>                        | 1/0                       | 40          | A50-40               | <a href="#">3241240</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 70 <sup>1) 2)</sup>                        | 2/0                       | 40          | A70-40               | <a href="#">3241241</a> | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 95 <sup>1) 2)</sup>                        | 3/0                       | 40          | A95-40               | <a href="#">3241242</a> | Silver |

<sup>1)</sup> These ferrules are not included in DIN 46228-1: 1990-09 and UL 486F.

<sup>2)</sup> These ferrules are not UL certified.

# CRIMPFOX – corresponding connectors for the CRIMPFOX series

## Ferrules with insulating collar



The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper. The insulation reliability of close connections is increased and the splicing of wires is prevented. The conically shaped, "Easy Entry" insulating collar ensures easy and correct conductor insertion.

UL and CSA-certified, material/coating: E-CU/tin-plated, material plastic sleeve: polypropylene/halogen-free, long-term/short-term temperature: +105°C/+120°C. These ferrules correspond to the dimension requirements of DIN 46228-4: 1990-09 and UL 486F.

Refer to the overview list starting on page 86 for the suitable tools for crimping according to UL.

| Conductor cross section        |           | Length<br>[mm] | Color code: DIN 46228-4: 1990-09 UL 486F | Order No. | Color  | Color code: NF C 63-023: 1994-02 | Order No. | Color  | Special color code | Order No. | Color     |
|--------------------------------|-----------|----------------|------------------------------------------|-----------|--------|----------------------------------|-----------|--------|--------------------|-----------|-----------|
| [mm <sup>2</sup> ]             | [AWG]     |                |                                          |           |        |                                  |           |        |                    |           |           |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 6              | Al 0,25-6 YE                             | 3203024   | Yellow |                                  |           |        | Al 0,25-6 BU       | 3203040   | Blue      |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 6              |                                          |           |        |                                  |           |        | Al 0,34-6 TQ       | 3203053   | Turquoise |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 8              | Al 0,25-8 YE                             | 3203037   | Yellow |                                  |           |        |                    |           |           |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 8              |                                          |           |        |                                  |           |        | Al 0,34-8 TQ       | 3203066   | Turquoise |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 10             | Al 0,25-10 YE                            | 3241128   | Yellow |                                  |           |        | Al 0,34-10 TQ      | 3241129   | Turquoise |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 12             |                                          |           |        |                                  |           |        | Al 0,25-12 BU      | 3200632   | Blue      |
| 0.14 ... 0.34 <sup>1) 2)</sup> | 26 ... 22 | 12             |                                          |           |        |                                  |           |        | Al 0,34-12 TQ      | 3200645   | Turquoise |
| 0.5                            | 20        | 6              | Al 0,5-6 WH                              | 3200687   | White  | Al 0,5-6 WH                      | 3200687   | White  | Al 0,5-6 OG        | 3201301   | Orange    |
| 0.5                            | 20        | 8              | Al 0,5-8 WH                              | 3200014   | White  | Al 0,5-8 WH                      | 3200014   | White  | Al 0,5-8 OG        | 3201123   | Orange    |
| 0.5                            | 20        | 8              | Al 0,5-8 WH-1000                         | 3200881   | White  | Al 0,5-8 WH-1000                 | 3200881   | White  |                    |           |           |
| 0.5                            | 20        | 10             | Al 0,5-10 WH                             | 3201275   | White  | Al 0,5-10 WH                     | 3201275   | White  | Al 0,5-10 OG       | 3241126   | Orange    |
| 0.5 <sup>1)</sup>              | 20        | 12             | Al 0,5-12 WH                             | 3200506   | White  | Al 0,5-12 WH                     | 3200506   | White  |                    |           |           |
| 0.75                           | 18        | 6              | Al 0,75-6 GY                             | 3200690   | Gray   |                                  |           |        | Al 0,75-6 WH       | 3201314   | White     |
| 0.75                           | 18        | 8              | Al 0,75-8 GY                             | 3200519   | Gray   | Al 0,75-8 BU                     | 3200027   | Blue   | Al 0,75-8 WH       | 3201110   | White     |
| 0.75                           | 18        | 8              | Al 0,75-8 GY-1000                        | 3200894   | Gray   |                                  |           |        | Al 0,75-8 BU-1000  | 1213200   | Blue      |
| 0.75                           | 18        | 10             | Al 0,75-10 GY                            | 3201288   | Gray   |                                  |           |        |                    |           |           |
| 0.75                           | 18        | 12             | Al 0,5-12 WH                             | 3200506   | White  |                                  |           |        |                    |           |           |
| 0.75                           | 18        | 12             | Al 0,75-12 GY                            | 3200849   | Gray   |                                  |           |        |                    |           |           |
| 1                              | 18        | 6              | Al 1-6 RD                                | 3200742   | Red    | Al 1-6 RD                        | 3200742   | Red    | Al 1-6 YE          | 3201327   | Yellow    |
| 1                              | 18        | 8              | Al 1-8 RD                                | 3200030   | Red    | Al 1-8 RD                        | 3200030   | Red    | Al 1-8 YE          | 3201097   | Yellow    |
| 1                              | 18        | 8              | Al 1-8 RD-1000                           | 3200904   | Red    | Al 1-8 RD-1000                   | 3200904   | Red    |                    |           |           |
| 1                              | 18        | 10             | Al 1-10 RD                               | 3200182   | Red    | Al 1-10 RD                       | 3200182   | Red    |                    |           |           |
| 1                              | 18        | 12             | Al 1-12 RD                               | 3200674   | Red    | Al 1-12 RD                       | 3200674   | Red    |                    |           |           |
| 1.5 <sup>1)</sup>              | 16        | 6              | Al 1,5-6 BK                              | 3200755   | Black  | Al 1,5-6 BK                      | 3200755   | Black  |                    |           |           |
| 1.5                            | 16        | 8              | Al 1,5-8 BK                              | 3200043   | Black  | Al 1,5-8 BK                      | 3200043   | Black  | Al 1,5-8 RD        | 3201136   | Red       |
| 1.5                            | 16        | 8              | Al 1,5-8 BK-1000                         | 3200917   | Black  | Al 1,5-8 BK-1000                 | 3200917   | Black  |                    |           |           |
| 1.5                            | 16        | 10             | Al 1,5-10 BK                             | 3200195   | Black  | Al 1,5-10 BK                     | 3200195   | Black  |                    |           |           |
| 1.5                            | 16        | 12             | Al 1,5-12 BK                             | 3201482   | Black  | Al 1,5-12 BK                     | 3201482   | Black  |                    |           |           |
| 1.5                            | 16        | 18             | Al 1,5-18 BK                             | 3200056   | Black  | Al 1,5-18 BK                     | 3200056   | Black  |                    |           |           |
| 2.5                            | 14        | 8              | Al 2,5-8 BU                              | 3200522   | Blue   | Al 2,5-8 GY                      | 3200069   | Gray   | Al 2,5-8 BU        | 3200522   | Blue      |
| 2.5                            | 14        | 8              | Al 2,5-8 BU-1000                         | 3200920   | Blue   |                                  |           |        | Al 2,5-8 BU-1000   | 3200920   | Blue      |
| 2.5 <sup>1)</sup>              | 14        | 10             | Al 2,5-10 BU                             | 3202533   | Blue   |                                  |           |        |                    |           |           |
| 2.5 <sup>1)</sup>              | 14        | 10             | Al 2,5-10 BU-1000                        | 3203147   |        |                                  |           |        |                    |           |           |
| 2.5                            | 14        | 12             | Al 2,5-12 BU                             | 3200962   | Blue   | Al 2,5-12 GY                     | 3200205   | Gray   | Al 2,5-12 BU       | 3200962   | Blue      |
| 2.5                            | 14        | 18             | Al 2,5-18 BU                             | 3200580   | Blue   | Al 2,5-18 GY                     | 3200072   | Gray   | Al 2,5-18 BU       | 3200580   | Blue      |
| 4                              | 12        | 10             | Al 4-10 GY                               | 3200535   | Gray   | Al 4-10 OG                       | 3200085   | Orange | Al 4-10 GY         | 3200535   | Gray      |
| 4                              | 12        | 10             |                                          |           |        | Al 4-10 OG-1000                  | 1213202   | Orange |                    |           |           |
| 4                              | 12        | 12             | Al 4-12 GY                               | 3200959   | Gray   | Al 4-12 OG                       | 3200438   | Orange | Al 4-12 GY         | 3200959   | Gray      |
| 4 <sup>1) 2)</sup>             | 12        | 15             | Al 4-15 GY                               | 1200264   | Gray   |                                  |           |        |                    |           |           |
| 4                              | 12        | 18             | Al 4-18 GY                               | 3200593   | Gray   | Al 4-18 OG                       | 3200098   | Orange | Al 4-18 GY         | 3200593   | Gray      |
| 6                              | 10        | 12             | Al 6-12 YE                               | 3200548   | Yellow | Al 6-12 GN                       | 3200108   | Green  | Al 6-12 BK         | 3201107   | Black     |
| 6                              | 10        | 12             |                                          |           |        |                                  |           |        | Al 6-12 GN-1000    | 1213203   | Green     |
| 6                              | 10        | 18             | Al 6-18 YE                               | 3200603   | Yellow | Al 6-18 GN                       | 3200111   | Green  |                    |           |           |
| 10                             | 8         | 12             | Al 10-12 RD                              | 3200551   | Red    | Al 10-12 BN                      | 3200124   | Brown  | Al 10-12 IV        | 3201068   | Ivory     |
| 10                             | 8         | 18             | Al 10-18 RD                              | 3200616   | Red    | Al 10-18 BN                      | 3200137   | Brown  |                    |           |           |
| 16                             | 6         | 12             | Al 16-12 BU                              | 3200564   | Blue   | Al 16-12 IV                      | 3201181   | Ivory  | Al 16-12 GN        | 3201152   | Green     |
| 16                             | 6         | 18             | Al 16-18 BU                              | 3200629   | Blue   |                                  |           |        | Al 16-18 GN        | 3201330   | Green     |
| 25                             | 4         | 16             | Al 25-16 YE                              | 3200577   | Yellow | Al 25-16 BK                      | 3200412   | Black  | Al 25-16 BN        | 3201084   | Brown     |
| 25                             | 4         | 18             | Al 25-18 YE                              | 3201505   | Yellow |                                  |           |        |                    |           |           |
| 25                             | 4         | 22             | Al 25-22 YE                              | 3200700   | Yellow | Al 25-22 BK                      | 3200739   | Black  |                    |           |           |
| 35                             | 2         | 16             | Al 35-16 RD                              | 3200441   | Red    | Al 35-16 RD                      | 3200441   | Red    | Al 35-16 BE        | 3201071   | Beige     |
| 35                             | 2         | 18             | Al 35-18 RD                              | 3201495   | Red    | Al 35-18 RD                      | 3201495   | Red    |                    |           |           |
| 35                             | 2         | 25             | Al 35-25 RD                              | 3200713   | Red    | Al 35-25 RD                      | 3200713   | Red    |                    |           |           |
| 50                             | 1/0       | 20             | Al 50-20 BU                              | 3200454   | Blue   | Al 50-20 BU                      | 3200454   | Blue   | Al 50-20 OL        | 3201178   | Olive     |
| 50                             | 1/0       | 25             | Al 50-25 BU                              | 3200726   | Blue   | Al 50-25 BU                      | 3200726   | Blue   |                    |           |           |
| 70 <sup>1) 2)</sup>            | 2         | 20             | Al 70-20 YE                              | 3201848   | Yellow |                                  |           |        |                    |           |           |
| 95 <sup>1) 2)</sup>            | 4         | 25             | Al 95-25 RD                              | 3201853   | Red    |                                  |           |        | Al 95-25 RD        | 3201853   | Red       |
| 120 <sup>1) 2)</sup>           | 5         | 27             | Al 120-27 BU                             | 3201822   | Blue   |                                  |           |        | Al 120-27 BU       | 3201822   | Blue      |

<sup>1)</sup> These ferrules are not included in DIN 46228-4: 1990-09 and UL 486F.

<sup>2)</sup> These ferrules are not UL certified.

## Ferrules for two-wire connection

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Conductor cross section   |        | Length [mm] | Designation ferrules | Order No. | Color  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------|-------------|----------------------|-----------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | [mm²]                     | [AWG]  |             |                      |           |        |
| <div></div> <div></div> <p>The TWIN ferrules with plastic sleeve provide a practical way of crimping two conductors in one ferrule. Among other things, chain bridges can be realized with this ferrule type.</p> <p>UL and CSA-certified<br/>Sleeve material: E-CU<br/>Coating: tin-plated<br/>Flange material: polypropylene<br/>Halogen-free<br/>Long-term/short-term temperature: +105°C/+120°C<br/>The ferrules correspond to the requirements of the UL 486F.</p> <p>Refer to the overview list starting on page 86 for the suitable tools for crimping according to UL.</p> | 2 × 0.5                   | 2 × 20 | 8           | AI-TWIN2X0,5-8WH     | 3200933   | White  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 0.75                  | 2 × 18 | 8           | AI-TWIN2X0,75-8GY    | 3200807   | Gray   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 0.75                  | 2 × 18 | 10          | AI-TWIN2X0,75-10GY   | 3200933   | Gray   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 1                     | 2 × 18 | 8           | AI-TWIN2X1-8RD       | 3200810   | Red    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 1                     | 2 × 18 | 10          | AI-TWIN2X1-10RD      | 3200988   | Red    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 1                     | 2 × 18 | 12          | AI-TWIN2X1-12RD      | 3240679   | Red    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 1.5                   | 2 × 16 | 8           | AI-TWIN2X1,5-8BK     | 3200823   | Black  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 1.5 <sup>(1) 2)</sup> | 2 × 16 | 10          | AI-TWIN2X1,5-10BK    | 3201534   | Black  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 1.5                   | 2 × 16 | 12          | AI-TWIN2X1,5-12BK    | 3200991   | Black  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 2.5                   | 2 × 14 | 10          | AI-TWIN2X2,5-10BU    | 3200836   | Blue   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 2.5                   | 2 × 14 | 13          | AI-TWIN2X2,5-13BU    | 3200878   | Blue   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 4                     | 2 × 12 | 12          | AI-TWIN2X4-12GY      | 3201000   | Gray   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 6                     | 2 × 10 | 14          | AI-TWIN2X6-14YE      | 3201013   | Yellow |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 10                    | 2 × 8  | 14          | AI-TWIN2X10-14RD     | 3201026   | Red    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 16 <sup>1)</sup>      | 2 × 6  | 16          | AI-TWIN2X16-16BU     | 3202847   | Blue   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |        |             |                      |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |        |             |                      |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |        |             |                      |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |        |             |                      |           |        |
| Color code certified in accordance with NF C 63-023, UL and CSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 0.75                  | 2 × 18 | 8           | AI-TWIN2X0,75-8BU    | 3240668   | Blue   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 2.5                   | 2 × 14 | 10          | AI-TWIN2X2,5-10GY    | 3240669   | Gray   |
| Special colors, UL and CSA-certified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 × 4                     | 2 × 12 | 12          | AI-TWIN2X4-12OG      | 1213204   | Orange |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 6                     | 2 × 10 | 14          | AI-TWIN2X6-14GN      | 1213206   | Green  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 10                    | 2 × 8  | 14          | AI-TWIN2X10-14BN     | 1213206   | Brown  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 × 14                    | 2 × 6  | 16          | AI-TWIN2X6-16VWH     | 1213207   | White  |

### Ferrules with enlarged insulating collar (AWG/Multinorm)

[illegible]



## CRIMPFOX – corresponding connectors for the CRIMPFOX series

### Fork-type cable lugs, non-insulated

|                                                                                                                                                                                                                                                                                                                                                                                                       | Conductor cross section |           | Fork size [mm] | Designation, fork-type cable lug | Order No. | Color  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|----------------|----------------------------------|-----------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                       | [mm <sup>2</sup> ]      | [AWG]     |                |                                  |           |        |
|                                                                                                                                                                                                                                                                                                                      | 0.5 ... 1.5             | 20 ... 16 | 3.20           | C-FC 1,5/M3                      | 3240137   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 0.5 ... 1.5             | 20 ... 16 | 3.70           | C-FC 1,5/M3,5                    | 3240138   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 0.5 ... 1.5             | 20 ... 16 | 4.30           | C-FC 1,5/M4                      | 3240139   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 0.5 ... 1.5             | 20 ... 16 | 5.30           | C-FC 1,5/M5                      | 3240140   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 0.5 ... 1.5             | 20 ... 16 | 6.40           | C-FC 1,5/M6                      | 3240141   | Silver |
| <p>The fork-type cable lugs consist of high-quality electrolytic copper with galvanic tin plating for maximum corrosion protection. The hard-soldered crimp zone enables maximum conductor pull-out values and the best contact properties to be achieved.</p> <p>Manufactured in accordance with DIN 46234<br/>Sleeve material: copper<br/>Coating: tin-plated<br/>Temperature range: ... +110°C</p> | 1.5 ... 2.5             | 16 ... 14 | 3.20           | C-FC 2,5/M3                      | 3240142   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 1.5 ... 2.5             | 16 ... 14 | 3.70           | C-FC 2,5/M3,5                    | 3240143   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 1.5 ... 2.5             | 16 ... 14 | 4.30           | C-FC 2,5/M4                      | 3240144   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 1.5 ... 2.5             | 16 ... 14 | 5.30           | C-FC 2,5/M5                      | 3240145   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 1.5 ... 2.5             | 16 ... 14 | 6.40           | C-FC 2,5/M6                      | 3240146   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 1.5 ... 2.5             | 16 ... 14 | 8.40           | C-FC 2,5/M8                      | 3240147   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 2.6 ... 4               | 12 ... 10 | 4.30           | C-FC 6/M4                        | 3240148   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 2.6 ... 4               | 12 ... 10 | 5.30           | C-FC 6/M5                        | 3240149   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 2.6 ... 4               | 12 ... 10 | 6.40           | C-FC 6/M6                        | 3240150   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 2.6 ... 4               | 12 ... 10 | 8.40           | C-FC 6/M8                        | 3240151   | Silver |

### Ring cable lugs, non-insulated

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Conductor cross section |           | Hole Ø [mm] | Designation ring cable lugs | Order No. | Color  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|-------------|-----------------------------|-----------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | [mm <sup>2</sup> ]      | [AWG]     |             |                             |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                | 0.5 ... 1               | 20 ... 18 | 2.80        | C-RC 1/M2,5 DIN             | 3240069   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.5 ... 1               | 20 ... 18 | 3.20        | C-RC 1/M3 DIN               | 3240070   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.5 ... 1               | 20 ... 18 | 3.70        | C-RC 1/M3,5 DIN             | 3240071   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.5 ... 1               | 20 ... 18 | 4.30        | C-RC 1/M4 DIN               | 3240072   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.5 ... 1               | 20 ... 18 | 5.30        | C-RC 1/M5 DIN               | 3240073   | Silver |
| <p>The ring cable lugs consist of high-quality electrolytic copper with galvanic tin plating for maximum corrosion protection. The hard-soldered crimp zone enables maximum conductor pull-out values and the best contact properties to be achieved.</p> <p>Manufactured in accordance with DIN 46234<br/>Sleeve material: copper<br/>Coating: tin-plated<br/>Temperature range: ... +110°C</p> <p>Refer to the overview on page 32/33 for suitable tools.</p> | 0.5 ... 1               | 20 ... 18 | 6.50        | C-RC 1/M6 DIN               | 3240074   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.5 ... 1               | 20 ... 18 | 8.40        | C-RC 1/M8 DIN               | 3240075   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 3.20        | C-RC 2,5/M3 DIN             | 3240076   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 3.70        | C-RC 2,5/M3,5 DIN           | 3240077   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 4.30        | C-RC 2,5/M4 DIN             | 3240078   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 5.30        | C-RC 2,5/M5 DIN             | 3240079   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 6.50        | C-RC 2,5/M6 DIN             | 3240080   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 8.40        | C-RC 2,5/M8 DIN             | 3240081   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 ... 2.5               | 18 ... 14 | 10.50       | C-RC 2,5/M10 DIN            | 3240082   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.6 ... 6               | 14 ... 10 | 4.30        | C-RC 6/M4 DIN               | 3240083   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.6 ... 6               | 14 ... 10 | 5.30        | C-RC 6/M5 DIN               | 3240084   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.6 ... 6               | 14 ... 10 | 6.50        | C-RC 6/M6 DIN               | 3240085   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.6 ... 6               | 14 ... 10 | 8.40        | C-RC 6/M8 DIN               | 3240086   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.6 ... 6               | 14 ... 10 | 10.50       | C-RC 6/M10 DIN              | 3240087   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.6 ... 6               | 14 ... 10 | 13.00       | C-RC 6/M12 DIN              | 3240088   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 10                    | - 8       | 5.30        | C-RC 10/M5 DIN              | 3240089   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 10                    | - 8       | 6.50        | C-RC 10/M6 DIN              | 3240090   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 10                    | - 8       | 8.40        | C-RC 10/M8 DIN              | 3240091   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 10                    | - 8       | 10.50       | C-RC 10/M10 DIN             | 3240092   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 10                    | - 8       | 13.00       | C-RC 10/M12 DIN             | 3240093   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 16                    | - 6       | 5.30        | C-RC 16/M5 DIN              | 3240094   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 16                    | - 6       | 6.50        | C-RC 16/M6 DIN              | 3240095   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 16                    | - 6       | 8.40        | C-RC 16/M8 DIN              | 3240096   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 16                    | - 6       | 10.50       | C-RC 16/M10 DIN             | 3240097   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 16                    | - 6       | 13.00       | C-RC 16/M12 DIN             | 3240098   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 25                    | - 4       | 5.30        | C-RC 25/M5 DIN              | 3240099   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 25                    | - 4       | 6.50        | C-RC 25/M6 DIN              | 3240100   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 25                    | - 4       | 8.40        | C-RC 25/M8 DIN              | 3240101   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 25                    | - 4       | 10.50       | C-RC 25/M10 DIN             | 3240102   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 25                    | - 4       | 13.00       | C-RC 25/M12 DIN             | 3240103   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 25                    | - 4       | 17.00       | C-RC 25/M16 DIN             | 3240104   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 35                    | - 2       | 6.50        | C-RC 35/M6 DIN              | 3240105   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 35                    | - 2       | 8.40        | C-RC 35/M8 DIN              | 3240106   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 35                    | - 2       | 10.50       | C-RC 35/M10 DIN             | 3240107   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 35                    | - 2       | 13.00       | C-RC 35/M12 DIN             | 3240108   | Silver |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | - 35                    | - 2       | 17.00       | C-RC 35/M16 DIN             | 3240109   | Silver |

## CRIMPFOX – corresponding connectors for the CRIMPFOX series

### Ring cable lugs, non-insulated

|                                                                                                                                                                                                                                                                                      | Conductor cross section |       | Hole Ø [mm] | Designation ring cable lugs | Order No. | Color  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------|-------------|-----------------------------|-----------|--------|
|                                                                                                                                                                                                                                                                                      | [mm²]                   | [AWG] |             |                             |           |        |
|  <p>Manufactured in accordance with DIN 46234<br/>Sleeve material: copper<br/>Coating: tin-plated<br/>Temperature range: ... +110°C<br/>Refer to the overview on page 32/33 for suitable tools.</p> | - 50                    | - 1/0 | 6.50        | C-RC 50/M6 DIN              | 3240110   | Silver |
|                                                                                                                                                                                                                                                                                      | - 50                    | - 1/0 | 8.40        | C-RC 50/M8 DIN              | 3240111   | Silver |
|                                                                                                                                                                                                                                                                                      | - 50                    | - 1/0 | 10.50       | C-RC 50/M10 DIN             | 3240112   | Silver |
|                                                                                                                                                                                                                                                                                      | - 50                    | - 1/0 | 13.00       | C-RC 50/M12 DIN             | 3240113   | Silver |
|                                                                                                                                                                                                                                                                                      | - 50                    | - 1/0 | 17.00       | C-RC 50/M16 DIN             | 3240114   | Silver |
|                                                                                                                                                                                                                                                                                      | - 70                    | - 2/0 | 6.50        | C-RC 70/M6 DIN              | 3240115   | Silver |
|                                                                                                                                                                                                                                                                                      | - 70                    | - 2/0 | 8.40        | C-RC 70/M8 DIN              | 3240116   | Silver |
|                                                                                                                                                                                                                                                                                      | - 70                    | - 2/0 | 10.50       | C-RC 70/M10 DIN             | 3240117   | Silver |
|                                                                                                                                                                                                                                                                                      | - 95                    | - 3/0 | 8.40        | C-RC 95/M8 DIN              | 3240120   | Silver |
|                                                                                                                                                                                                                                                                                      | - 95                    | - 3/0 | 10.50       | C-RC 95/M10 DIN             | 3240121   | Silver |
|                                                                                                                                                                                                                                                                                      | - 95                    | - 3/0 | 13.00       | C-RC 95/M12 DIN             | 3240122   | Silver |
|                                                                                                                                                                                                                                                                                      | 120                     | 250   | 8.40        | C-RC 120/M8 DIN             | 3240124   | Silver |
|                                                                                                                                                                                                                                                                                      | 120                     | 250   | 10.50       | C-RC 120/M10 DIN            | 3240125   | Silver |
|                                                                                                                                                                                                                                                                                      | 120                     | 250   | 13.00       | C-RC 120/M12 DIN            | 3240126   | Silver |
|                                                                                                                                                                                                                                                                                      | 150                     | 300   | 10.50       | C-RC 150/M10 DIN            | 3240128   | Silver |
|                                                                                                                                                                                                                                                                                      | 150                     | 300   | 13.00       | C-RC 150/M12 DIN            | 3240129   | Silver |
|                                                                                                                                                                                                                                                                                      | 150                     | 300   | 17.00       | C-RC 150/M16 DIN            | 3240130   | Silver |
|                                                                                                                                                                                                                                                                                      | 185                     | 350   | 10.50       | C-RC 185/M10 DIN            | 3240131   | Silver |
|                                                                                                                                                                                                                                                                                      | 185                     | 350   | 13.00       | C-RC 185/M12 DIN            | 3240132   | Silver |
|                                                                                                                                                                                                                                                                                      | 185                     | 350   | 17.00       | C-RC 185/M16 DIN            | 3240133   | Silver |
|                                                                                                                                                                                                                                                                                      | 240                     | 500   | 10.50       | C-RC 240/M10 DIN            | 3240134   | Silver |
|                                                                                                                                                                                                                                                                                      | 240                     | 500   | 13.00       | C-RC 240/M12 DIN            | 3240135   | Silver |
|                                                                                                                                                                                                                                                                                      | 240                     | 500   | 17.00       | C-RC 240/M16 DIN            | 3240136   | Silver |

### Ring cable lugs, insulated

|                                                                                     |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                             |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>The insulated ring cable lugs with plastic sleeves feature the "Easy Entry" system. The sleeves are conically tapered to facilitate easy and correct insertion of the conductor. The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimpings.</p> | <p>Material: copper/tin-plated<br/>Flange material: PA/halogen-free<br/>Temperature range: -20°C ... +105°C<br/>Flammability rating: V2</p> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                             |

The C-RCEI series is equipped with an additional crimp zone for conductor insulation. Refer to the overview on page 32/33 for suitable tools.

| Conductor cross section |           | Hole/fork size [mm] | Ring cable lugs, insulated | Order No. | Color  | Fork-type cable lugs, insulated | Order No. | Color  |
|-------------------------|-----------|---------------------|----------------------------|-----------|--------|---------------------------------|-----------|--------|
| [mm²]                   | [AWG]     |                     |                            |           |        |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 3.2                 | C-RCI 1,5/M3               | 3240016   | Red    | C-FCI 1,5/M3                    | 3240032   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 3.7                 | C-RCI 1,5/M3,5             | 3240017   | Red    | C-FCI 1,5/M3,5                  | 3240033   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 4.3                 | C-RCI 1,5/M4               | 3240018   | Red    | C-FCI 1,5/M4                    | 3240034   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 5.3                 | C-RCI 1,5/M5               | 3240019   | Red    | C-FCI 1,5/M5                    | 3240035   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 6.5                 | C-RCI 1,5/M6               | 3240020   | Red    | C-FCI 1,5/M6                    | 3240036   | Red    |
| 1.5 ... 2.5             | 16 ... 14 | 3.2                 | C-RCI 2,5/M3               | 3240021   | Blue   | C-FCI 2,5/M3                    | 3240037   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 3.7                 | C-RCI 2,5/M3,5             | 3240022   | Blue   | C-FCI 2,5/M3,5                  | 3240038   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 4.3                 | C-RCI 2,5/M4               | 3240023   | Blue   | C-FCI 2,5/M4                    | 3240039   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 5.3                 | C-RCI 2,5/M5               | 3240024   | Blue   | C-FCI 2,5/M5                    | 3240040   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 6.5                 | C-RCI 2,5/M6               | 3240025   | Blue   | C-FCI 2,5/M6                    | 3240041   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 8.5                 | C-RCI 2,5/M8               | 3240026   | Blue   |                                 |           |        |
| 4 ... 6                 | 12 ... 10 | 4.3                 | C-RCI 6/M4                 | 3240027   | Yellow | C-FCI 6/M4                      | 3240042   | Yellow |
| 4 ... 6                 | 12 ... 10 | 5.3                 | C-RCI 6/M5                 | 3240028   | Yellow | C-FCI 6/M5                      | 3240043   | Yellow |
| 4 ... 6                 | 12 ... 10 | 6.5                 | C-RCI 6/M6                 | 3240029   | Yellow | C-FCI 6/M6                      | 3240044   | Yellow |
| 4 ... 6                 | 12 ... 10 | 8.5                 | C-RCI 6/M8                 | 3240030   | Yellow | C-FCI 6/M8                      | 3240045   | Yellow |
| 4 ... 6                 | 12 ... 10 | 10.5                | C-RCI 6/M10                | 3240031   | Yellow |                                 |           |        |
| - 10                    | - 8       | 5.3                 | C-RCI 10/M5                | 3240219   | Red    |                                 |           |        |
| - 10                    | - 8       | 6.5                 | C-RCI 10/M6                | 3240220   | Red    |                                 |           |        |
| - 10                    | - 8       | 8.4                 | C-RCI 10/M8                | 3240221   | Red    |                                 |           |        |
| - 10                    | - 8       | 10.5                | C-RCI 10/M10               | 3240222   | Red    |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 3.2                 | C-RCEI 1,5/M3              | 3241201   | Red    |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 3.7                 | C-RCEI 1,5/M3,5            | 3241202   | Red    |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 4.3                 | C-RCEI 1,5/M4              | 3241203   | Red    |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 5.3                 | C-RCEI 1,5/M5              | 3241204   | Red    |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 6.5                 | C-RCEI 1,5/M6              | 3241205   | Red    |                                 |           |        |

# CRIMPFOX – corresponding connectors for the CRIMPFOX series

## Ring cable lugs, insulated



The insulated ring cable lugs with plastic sleeves feature the "Easy Entry" system. The sleeves are conically tapered to facilitate easy and correct insertion of the conductor. The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimpings.

Material: copper/tin-plated  
Flange material: PA/halogen-free  
Temperature range: -20°C ... +105°C  
Flammability rating: V2

The C-RCEI series is equipped with an additional crimp zone for conductor insulation. Refer to the overview on page 32/33 for suitable tools.

| Conductor cross section |           | Hole/fork size [mm] | Ring cable lugs, insulated | Order No. | Color  |
|-------------------------|-----------|---------------------|----------------------------|-----------|--------|
| [mm²]                   | [AWG]     |                     |                            |           |        |
| 1.5 ... 2.5             | 16 ... 14 | 3.7                 | C-RCEI 2,5 / M3,5          | 3241206   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 4.3                 | C-RCEI 2,5 / M4            | 3241207   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 5.3                 | C-RCEI 2,5 / M5            | 3241208   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 6.5                 | C-RCEI 2,5 / M6            | 3241209   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 8.5                 | C-RCEI 2,5 / M8            | 3241210   | Blue   |
| 4 ... 6                 | 12 ... 10 | 5.3                 | C-RCEI 6 / M5              | 3241211   | Yellow |
| 4 ... 6                 | 12 ... 10 | 6.5                 | C-RCEI 6 / M6              | 3241212   | Yellow |
| 4 ... 6                 | 12 ... 10 | 8.5                 | C-RCEI 6 / M8              | 3241213   | Yellow |
| 4 ... 6                 | 12 ... 10 | 10.5                | C-RCEI 6 / M10             | 3241214   | Yellow |

## Fork-type cable lugs, insulated



The insulated fork-type cable lugs with plastic sleeves feature the "Easy Entry" system. The sleeves are conically tapered to facilitate easy and correct insertion of the conductor. The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimpings.

Material: copper/tin-plated  
Flange material: PA/halogen-free  
Temperature range: -20°C ... +105°C  
Flammability rating: V2

Refer to the overview on page 32/33 for suitable tools.

| Conductor cross section |           | Hole/fork size [mm] | Fork-type cable lugs, insulated | Order No. | Color  |
|-------------------------|-----------|---------------------|---------------------------------|-----------|--------|
| [mm²]                   | [AWG]     |                     |                                 |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 3.2                 | C-FCI 1,5 / M3                  | 3240032   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 3.7                 | C-FCI 1,5 / M3,5                | 3240033   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 4.3                 | C-FCI 1,5 / M4                  | 3240034   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 5.3                 | C-FCI 1,5 / M5                  | 3240035   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 6.5                 | C-FCI 1,5 / M6                  | 3240036   | Red    |
| 1.5 ... 2.5             | 16 ... 14 | 3.2                 | C-FCI 2,5 / M3                  | 3240037   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 3.7                 | C-FCI 2,5 / M3,5                | 3240038   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 4.3                 | C-FCI 2,5 / M4                  | 3240039   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 5.3                 | C-FCI 2,5 / M5                  | 3240040   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 6.5                 | C-FCI 2,5 / M6                  | 3240041   | Blue   |
| 4 ... 6                 | 12 ... 10 | 4.3                 | C-FCI 6 / M4                    | 3240042   | Yellow |
| 4 ... 6                 | 12 ... 10 | 5.3                 | C-FCI 6 / M5                    | 3240043   | Yellow |
| 4 ... 6                 | 12 ... 10 | 6.5                 | C-FCI 6 / M6                    | 3240044   | Yellow |
| 4 ... 6                 | 12 ... 10 | 8.5                 | C-FCI 6 / M8                    | 3240045   | Yellow |
|                         |           |                     |                                 |           |        |
|                         |           |                     |                                 |           |        |
|                         |           |                     |                                 |           |        |
|                         |           |                     |                                 |           |        |
|                         |           |                     |                                 |           |        |

## Flat pin cable lugs with hooks, insulated



The insulated flat pin cable lugs are made from high-quality copper. Grooves are machined into the interior area of the sleeves and allow for high extraction values and the best contact properties. Easy and correct conductor insertion with the "Easy Entry" insulating collar.

Material: copper/tin-plated  
Flange material: PA/halogen-free  
Temperature range: -20°C ... +105°C  
Flammability rating: V2

Refer to the overview on page 32/33 for suitable tools.

| Conductor cross section |           | Pin width [mm] | Designation cable lugs | Order No. | Color  |
|-------------------------|-----------|----------------|------------------------|-----------|--------|
| [mm²]                   | [AWG]     |                |                        |           |        |
| 0 ... 1.5               | 20 ... 16 | 2.80           | C-BCI 1,5/2,8          | 3240015   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 4.60           | C-BCI 1,5/4,6          | 3240568   | Red    |
| 1.5 ... 2.5             | 16 ... 14 | 2.80           | C-BCI 2,5/2,8          | 3240046   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 4.60           | C-BCI 2,5/4,6          | 3240569   | Blue   |
| 4 ... 6                 | 12 ... 10 | 2.80           | C-BCI 6/2,8            | 3240047   | Yellow |
| 4 ... 6                 | 12 ... 10 | 4.60           | C-BCI 6/4,6            | 3240570   | Yellow |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |
|                         |           |                |                        |           |        |



## CRIMPFOX – corresponding connectors for the CRIMPFOX series

### Butt connectors, fully insulated

|                                                                                   | Conductor cross section |           | Width [mm] | Designation butt connector | Order No. | Color  |
|-----------------------------------------------------------------------------------|-------------------------|-----------|------------|----------------------------|-----------|--------|
|                                                                                   | [mm²]                   | [AWG]     |            |                            |           |        |
|  | 0 ... 1.5               | 20 ... 16 | 4.00       | CJCI 1.5                   | 3240061   | Red    |
|                                                                                   | 1.5 ... 2.5             | 16 ... 14 | 4.50       | CJCI 2.5                   | 3240062   | Blue   |
|                                                                                   | 4 ... 6                 | 12 ... 10 | 6.00       | CJCI 6                     | 3240063   | Yellow |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |
|                                                                                   |                         |           |            |                            |           |        |

The insulated butt connectors have a conductor protection for exact positioning. They are electrolytically galvanized for optimum corrosion protection.

Material: copper/tin-plated  
Flange material: PA/halogen-free  
Temperature range: -20°C ... +105°C  
Flammability rating: V2

### Slip-on blade connectors, slip-on distributors, and slip-on sleeves, insulated

|                                                                                   |  |  |                                                                                                                                                                                                                                                                                                    |  |  |                                                                                                                                                 |  |  |
|-----------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  |  |  | The insulated slip-on sleeves feature the "Easy Entry" system. The sleeves are conically tapered to facilitate easy and correct insertion of the conductor. An additional metal sleeve guarantees the best mechanical and electrical properties and permits horizontal or even vertical crimpings. |  |  | Material: brass<br>Coating: tin-plated<br>Flange material: PA<br>Halogen-free<br>Temperature range: -20°C ... +105°C<br>Flammability rating: V2 |  |  |
|-----------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

| Conductor cross section |           | Length [mm] | Slip-on sleeves, insulated | Order No. | Color  | Slip-on sleeves, fully insulated | Order No. | Color  |
|-------------------------|-----------|-------------|----------------------------|-----------|--------|----------------------------------|-----------|--------|
| [mm²]                   | [AWG]     |             |                            |           |        |                                  |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 2.8         | C-SCFI 1,5/2,8 x 0,5       | 3240048   | Red    | C-SCFFI 1,5/2,8 x 0,5            | 3240534   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 2.8         | C-SCFI 1,5/2,8 x 0,8       | 3240049   | Red    | C-SCFFI 1,5/2,8 x 0,8            | 3240535   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 4.8         | C-SCFI 1,5/4,8 x 0,5       | 3240050   | Red    | C-SCFFI 1,5/4,8 x 0,5            | 3240536   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 4.8         | C-SCFI 1,5/4,8 x 0,8       | 3240051   | Red    | C-SCFFI 1,5/4,8 x 0,8            | 3240537   | Red    |
| 0.5 ... 1.5             | 20 ... 16 | 6.3         | C-SCFI 1,5/6,3 x 0,8       | 3240052   | Red    | C-SCFFI 1,5/6,3 x 0,8            | 3240538   | Red    |
| 1.5 ... 2.5             | 16 ... 14 | 4.8         | C-SCFI 2,5/4,8 x 0,5       | 3240053   | Blue   | C-SCFFI 2,5/4,8 x 0,5            | 3240539   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 4.8         | C-SCFI 2,5/4,8 x 0,8       | 3240054   | Blue   | C-SCFFI 2,5/4,8 x 0,8            | 3240540   | Blue   |
| 1.5 ... 2.5             | 16 ... 14 | 6.3         | C-SCFI 2,5/6,3 x 0,8       | 3240055   | Blue   | C-SCFFI 2,5/6,3 x 0,8            | 3240547   | Blue   |
| 4 ... 6                 | 12 ... 10 | 6.3         | C-SCFI 6/6,3 x 0,8         | 3240056   | Yellow | C-SCFFI 6/6,3 x 0,8              | 3240541   | Yellow |

| Conductor cross section |           | Length [mm] | Slip-on blade connector, insulated | Order No. | Color  |
|-------------------------|-----------|-------------|------------------------------------|-----------|--------|
| [mm²]                   | [AWG]     |             |                                    |           |        |
| 0.5 ... 1.5             | 20 ... 16 | 6.3         | C-SCMI 1,5/6,3 x 0,8               | 3240058   | Red    |
| 1.5 ... 2.5             | 16 ... 14 | 6.3         | C-SCMI 2,5/6,3 x 0,8               | 3240059   | Blue   |
| 4 ... 6                 | 12 ... 10 | 6.3         | C-SCMI 6/6,3 x 0,8                 | 3240060   | Yellow |

| Conductor cross section |           | Length [mm] | Slip-on distributors, insulated | Order No. | Color |
|-------------------------|-----------|-------------|---------------------------------|-----------|-------|
| [mm²]                   | [AWG]     |             |                                 |           |       |
| 0.5 ... 1.5             | 20 ... 16 | 6.3         | C-SCFMI 1,5/6,3 x 0,8           | 3240529   | Red   |
| 1.5 ... 2.5             | 16 ... 14 | 6.3         | C-SCFMI 2,5/6,3 x 0,8           | 3240530   | Blue  |

## Tool and crimp sets

Universal tool sets, for convenient on-site use, equipped with cutting, stripping, and testing tools from the TOOL fox tool range. The pockets are made from robust, hard-wearing material.



| Type                                                               | Order No. | TOOL-KIT STANDARD                                                                                                                                                                        | 1212422                                                                                                    |
|--------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Set for cutting, stripping, crimping, and screwing, consisting of: |           | CUTFOX 18                                                                                                                                                                                | Cable cutter for copper and aluminum up to 18 mm diameter (up to 50 mm <sup>2</sup> )                      |
|                                                                    |           | WIREFOX-D 40                                                                                                                                                                             | Stripping tool for dismantling cables from 4.5 ... 40 mm in diameter; insulation thickness of up to 4.5 mm |
|                                                                    |           | WIREFOX 10                                                                                                                                                                               | Automatic stripping pliers for conductors 0.02 ... 10 mm <sup>2</sup>                                      |
|                                                                    |           | CRIMPFOX 6S-F                                                                                                                                                                            | Crimping pliers for ferrules 0.5 ... 6 mm <sup>2</sup> with self-adjusting die, front conductor entry      |
|                                                                    |           | SZF 1-0,6X3,5                                                                                                                                                                            | Bladed screwdriver                                                                                         |
|                                                                    |           | TOOL-KIT STANDARD EMPTY                                                                                                                                                                  | Tool kit empty, <a href="#">1212423</a>                                                                    |
| Tool kit, assembled according to customer specifications           |           | TOOL-KIT CUS                                                                                                                                                                             | <a href="#">1200085</a>                                                                                    |
|                                                                    |           | The CUS tool kit can be assembled according to your specifications in the product area of our website at <a href="https://phoenixcontact.net/products">phoenixcontact.net/products</a> . |                                                                                                            |



| Type                                                     | Order No. | CRIMPFOX CENTRUS 6S SET | 1213999                                                                                                                               |
|----------------------------------------------------------|-----------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Set for cutting, stripping, and crimping, consisting of: |           | CUTFOX 18               | Cable cutter for copper and aluminum up to 18 mm diameter (up to 50 mm <sup>2</sup> )                                                 |
|                                                          |           | WIREFOX 10              | Stripping pliers, for stripping conductors up to 10 mm <sup>2</sup>                                                                   |
|                                                          |           | CRIMPFOX CENTRUS 6S     | Crimping pliers for ferrules 0.14 ... 6 mm <sup>2</sup> with self-adjusting die, front conductor entry                                |
|                                                          |           | AI SORTI BOX RD         | Assortment box with ferrules,<br>50 pcs. each of: AI 0.5-8 VH, AI 2.5-8 BU,<br>100 pcs. each of: AI 0.75-8 GY, AI 1-8 RD, AI 1.5-8 BK |
|                                                          |           | TOOL-KIT STANDARD EMPTY | Tool kit empty, <a href="#">1212423</a>                                                                                               |

## Tool and crimp sets



| Type                                                     | Order No. | TOOL DATA SET           | 1208856                                                                                                               |
|----------------------------------------------------------|-----------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Set for cutting, stripping, and crimping, consisting of: |           | CUTFOX 12               | Cable cutter for copper and aluminum conductors up to 12 mm in diameter (up to 35 mm <sup>2</sup> )                   |
|                                                          |           | WIREFOX-D 11            | Stripping tool for dismantling signal, control, and fiberglass cables up to 11 mm, insulation thickness of up to 1 mm |
|                                                          |           | CRIMPFOX-M              | Basic pliers for accommodating dies for various contact types                                                         |
|                                                          |           | CRIMPFOX-M RJ45/DIE     | Die for CRIMPFOX-M, for unshielded RJ45 connectors, stackable storage box                                             |
|                                                          |           | TOOL-KIT STANDARD EMPTY | Tool kit empty, <a href="#">1212423</a>                                                                               |



| Type                                                     | Order No. | TOOL SET ALLROUND 2 | 1208843                                                                                             |
|----------------------------------------------------------|-----------|---------------------|-----------------------------------------------------------------------------------------------------|
| Set for cutting, stripping, and crimping, consisting of: |           | CUTFOX 12           | Cable cutter for copper and aluminum conductors up to 12 mm in diameter (up to 35 mm <sup>2</sup> ) |
|                                                          |           | WIREFOX 10          | Automatic stripping pliers for conductors 0.02 ... 10 mm <sup>2</sup>                               |
|                                                          |           | CRIMPFOX 10 S       | Crimping pliers for ferrules 0.14 ... 10 mm <sup>2</sup> with self-adjusting die                    |



| Type                                                               | Order No. | TOOL SET ALLROUND 3 | 1208953                                                                                                                               |
|--------------------------------------------------------------------|-----------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Set for cutting, stripping, crimping, and screwing, consisting of: |           | WIREFOX 10          | Automatic stripping pliers for conductors of 0.02 ... 10 mm <sup>2</sup>                                                              |
|                                                                    |           | CRIMPFOX 6S-F       | Crimping pliers for ferrules 0.5 ... 6 mm <sup>2</sup> with self-adjusting joint, front conductor entry                               |
|                                                                    |           | SZF 1-0,6 x 3,5     | Bladed screwdriver                                                                                                                    |
|                                                                    |           | AI SORTIBOX RD      | Assortment box with ferrules,<br>50 pcs. each of: AI 0.5-8 WH, AI 2.5-8 BU,<br>100 pcs. each of: AI 0.75-8 GY, AI 1-8 RD, AI 1.5-8 BK |

## Tool and crimp sets

Robust tool case for carrying and wearing. The case features a wide selection of high-quality tools from the TOOL fox tool range. It is lockable and has a business card pocket.



| Type                                                                                   | Order No. | TOOL-CASE                                                                                                                                                                                | 1212629                                                                                                                                                                               |
|----------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tool case, lockable, with adjustable strap, equipped with each of the following tools: |           | CUTFOX 12                                                                                                                                                                                | Cable cutter for copper and aluminum conductors up to 12 mm in diameter (up to 35 mm <sup>2</sup> )                                                                                   |
|                                                                                        |           | CUTFOX-S VDE                                                                                                                                                                             | Diagonal cutter for copper and aluminum conductors, VDE-tested                                                                                                                        |
|                                                                                        |           | MICROFOX-SB                                                                                                                                                                              | Electronic diagonal cutter                                                                                                                                                            |
|                                                                                        |           | WIREFOX 10                                                                                                                                                                               | Automatic stripping pliers for conductors 0.02 ... 10 mm <sup>2</sup>                                                                                                                 |
|                                                                                        |           | WIREFOX-D 13                                                                                                                                                                             | Stripping tool, for stripping cables from 8 ... 13 mm                                                                                                                                 |
|                                                                                        |           | WIREFOX-D 28                                                                                                                                                                             | Stripping tool for stripping cables from 8 ... 28 mm                                                                                                                                  |
|                                                                                        |           | WIREFOX-D 11                                                                                                                                                                             | Stripping tool for dismantling signal, control, and fiberglass cables up to 11 mm, insulation thickness of up to 1 mm                                                                 |
|                                                                                        |           | CRIMPFOX-M SET                                                                                                                                                                           | Crimping pliers set for ferrules and insulated and non-insulated cable lugs                                                                                                           |
|                                                                                        |           | CRIMPFOX-M RCI 6/DIE                                                                                                                                                                     | Die for CRIMPFOX-M, for non-insulated cable lugs, stackable storage box                                                                                                               |
|                                                                                        |           | UNIFOX-C VDE                                                                                                                                                                             | Combination pliers, VDE version                                                                                                                                                       |
|                                                                                        |           | UNIFOX-P VDE                                                                                                                                                                             | Needle-nose pliers, VDE version                                                                                                                                                       |
|                                                                                        |           | UNIFOX-WP                                                                                                                                                                                | Water pump pliers                                                                                                                                                                     |
|                                                                                        |           | Screwdriver set slotted                                                                                                                                                                  | SZS 0,4 x 2,5/0,5 x 3,0/1,0 x 4,0/1,0 x 6,5, VDE version                                                                                                                              |
|                                                                                        |           | Screwdriver set crosshead                                                                                                                                                                | Screwdriver, for Phillips Recess screws, sizes: 0/1/2, VDE version                                                                                                                    |
|                                                                                        |           | THEX screwdriver set                                                                                                                                                                     | SF-THEX 2.5-100/3-100/4-150/5-150, non-insulated                                                                                                                                      |
|                                                                                        |           | SF-SOCKET SET 47                                                                                                                                                                         | 47-part 1/4" socket tray                                                                                                                                                              |
|                                                                                        |           | Voltage tester                                                                                                                                                                           | Voltage tester for DC and AC voltages from 12 V to 1000 V AC/1100 V DC, IP65                                                                                                          |
|                                                                                        |           | USS 4                                                                                                                                                                                    | Control cabinet key metal, for all common control cabinets                                                                                                                            |
|                                                                                        |           | AI SORTI BOX RD                                                                                                                                                                          | Assortment box with ferrules,<br>50 pcs. each of: AI 0.5-8 WH, AI 2.5-8 BU,<br>100 pcs. each of: AI 0.75-8 GY, AI 1-8 RD, AI 1.5-8 BK                                                 |
|                                                                                        |           | AI-TWIN SORTI BOX BU                                                                                                                                                                     | Assortment box with TWIN ferrules,<br>50 pcs. each of: AI-TWIN 2 0.5-8 WH, AI-TWIN 2 x 0.75-8 GY, AI-TWIN 2 x 1-8 RD, AI-TWIN 2 x 1.5-8 BK,<br>25 pcs. each of: AI-TWIN 2 x 2.5-10 BU |
|                                                                                        |           | Cutter knife                                                                                                                                                                             | With segment blades                                                                                                                                                                   |
|                                                                                        |           | Measuring tape                                                                                                                                                                           | 5 m inch/metric                                                                                                                                                                       |
|                                                                                        |           | Accessories                                                                                                                                                                              | Safety glasses, hammer 300 g, continuity tester, scriber, combination wrench set 5 ... 22 mm, adjustable wrench < 30 mm                                                               |
|                                                                                        |           | TOOL-CASE EMPTY                                                                                                                                                                          | Tool case, lockable, with elasticated straps to hold tools in place, empty, <a href="#">1212628</a>                                                                                   |
| Tool case, assembled according to customer specifications                              |           | TOOL-CASE CUS                                                                                                                                                                            | <a href="#">1200072</a>                                                                                                                                                               |
|                                                                                        |           | The CUS tool case can be assembled according to your specifications in the product area of our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> . |                                                                                                                                                                                       |

## Tool and crimp sets

Stripping and crimp set in a robust metal assortment box with ferrules and tools for conductors up to 6 mm<sup>2</sup>. The ferrules are manufactured in accordance with DIN 46228-4 and UL 486F. UL and CSA-certified.



| Type | Order No. | CRIMPSET 6                  | 1202072                                                                                                         |
|------|-----------|-----------------------------|-----------------------------------------------------------------------------------------------------------------|
|      |           | QUICK WIREFOX 6             | Stripping tool for cables and conductors up to 6 mm <sup>2</sup>                                                |
|      |           | CRIMPFOX 6T                 | Crimping pliers with integrated pressure lock for ferrules between 0.25 ... 6 mm <sup>2</sup> , front insertion |
|      |           | Ferrules, 500 pcs. each of: | Al 0,25-6 YE; Al 0,34-6 TQ; Al 0,5-8 WH; Al 0,75-8 GY; Al 1-8 RD; Al 1,5-8 BK                                   |
|      |           | 300 pcs. ferrules           | Al 2,5-8 BU                                                                                                     |
|      |           | 200 pcs. ferrules           | Al 4-10 GY                                                                                                      |
|      |           | 100 pcs. ferrules           | Al 6-12 YE                                                                                                      |
|      |           | CRIMPSET 6/25 LEER          | 1204041                                                                                                         |

Stripping and crimp set in a robust metal assortment box with ferrules and tools for conductors from 10 ... 16 mm<sup>2</sup>. The ferrules are manufactured in accordance with DIN 46228-4 and UL 486F. UL and CSA-certified.



| Type | Order No. | CRIMPSET 25        | 1202580                                                                                                 |
|------|-----------|--------------------|---------------------------------------------------------------------------------------------------------|
|      |           | WIREFOX-D 40       | Stripping tool for stripping cables from 4.5 ... 40 mm in diameter                                      |
|      |           | CRIMPFOX 25R       | Crimping pliers with integrated pressure lock for ferrules from 10 - 25 mm <sup>2</sup> , lateral entry |
|      |           | 300 pcs. ferrules  | Al 10-12 RD                                                                                             |
|      |           | 200 pcs. ferrules  | Al 16-12 BU                                                                                             |
|      |           | 100 pcs. ferrules  | Al 25-16 YE                                                                                             |
|      |           | CRIMPSET 6/25 LEER | 1204041                                                                                                 |



| Type | Order No. | AI SORTI BOX RD      | 3202960 |
|------|-----------|----------------------|---------|
|      |           | AI-TWIN SORTI BOX BU | 3202986 |
|      |           | AI-TWIN SORTI BOX GY | 3202999 |
|      |           | AI SORTI BOX ANT     | 3202973 |
|      |           |                      |         |
|      |           |                      |         |
|      |           |                      |         |

Assortment box, red, consisting of ferrules in accordance with DIN 46228-4 and UL 486F; 50 pcs. each of: Al 0.5-8 WH; Al 2.5-8 BU, 100 pcs. each of: Al 0.75-8 GY; Al 1-8 RD; Al 1.5-8 BK  
For further assortment boxes and fitting versions, see [www.phoenixcontact.net/catalog](http://www.phoenixcontact.net/catalog).

## Tool sets

Universal tool sets, for convenient on-site use, equipped with a selection of products from the TOOL fox tool range. The pockets are made from robust and hard-wearing material. With business card pocket.



| Type                                                         | Order No.                                                                                                                                                                                 | TOOL-WRAP              | 1212505                                                                      |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------|
| Tool wrap, equipped with one of each of the following tools: |                                                                                                                                                                                           | CUTFOX 16 VDE          | Cable cutter for copper and aluminum conductors, VDE-tested                  |
|                                                              |                                                                                                                                                                                           | CUTFOX-S VDE           | Diagonal cutter for copper and aluminum conductors, VDE-tested               |
|                                                              |                                                                                                                                                                                           | SZK PH0                | Screwdriver, for Phillips Recess screws, size: 0                             |
|                                                              |                                                                                                                                                                                           | SZK PH1                | Screwdriver, for Phillips Recess screws, size: 1                             |
|                                                              |                                                                                                                                                                                           | SZK PH2                | Screwdriver, for Phillips Recess screws, size: 2                             |
|                                                              |                                                                                                                                                                                           | SZS 0,4 x 2,5          | Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm                |
|                                                              |                                                                                                                                                                                           | SZS 0,5 x 3,0          | Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm               |
|                                                              |                                                                                                                                                                                           | SZS 1,0 x 4,0          | Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm               |
|                                                              |                                                                                                                                                                                           | SZS 1,0 x 6,5          | Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm               |
|                                                              |                                                                                                                                                                                           | UNIFOX-C VDE           | Combination pliers, VDE version                                              |
|                                                              |                                                                                                                                                                                           | UNIFOX-P VDE           | Needle-nose pliers, VDE version                                              |
|                                                              |                                                                                                                                                                                           | Voltage tester         | Voltage tester for DC and AC voltages from 12 V to 1000 V AC/1100 V DC, IP65 |
|                                                              |                                                                                                                                                                                           | <b>TOOL-WRAP EMPTY</b> | Tool wrap empty, <a href="#">1212501</a>                                     |
| Tool wrap, assembled according to customer specifications    |                                                                                                                                                                                           | <b>TOOL-WRAP CUS</b>   | <a href="#">1200083</a>                                                      |
|                                                              | The CUS tool wrap can be put together according to your requirements in the product area on our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> . |                        |                                                                              |

Convenient and padded tool bag for wearing. In addition to the tool compartments in the front and back, it is equipped with a laptop and document pocket. Made from hard-ware material. With business card pocket.



| Type                                                     | Order No.                                                                                                                                                                               | TOOL-BAG              | 1212504                                                                                                                         |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Tool bag, equipped with each of the following tools:     |                                                                                                                                                                                         | AI SORTI BOX RD       | Assortment box with ferrules, 50 pcs. each of: AI 0.5-8 WH, AI 2.5-8 BU, 100 pcs. each of: AI 0.75-8 GY, AI 1-8 RD, AI 1.5-8 BK |
|                                                          |                                                                                                                                                                                         | CRIMPFOX-M SET        | Crimping pliers set for ferrules and insulated and non-insulated cable lugs                                                     |
|                                                          |                                                                                                                                                                                         | CUTFOX 25 VDE         | Cable cutter for copper and aluminum conductors, VDE-tested                                                                     |
|                                                          |                                                                                                                                                                                         | CUTFOX-S VDE          | Diagonal cutter for copper and aluminum conductors, VDE-tested                                                                  |
|                                                          |                                                                                                                                                                                         | SZK PH0               | Screwdriver, for Phillips Recess screws, size: 0                                                                                |
|                                                          |                                                                                                                                                                                         | SZK PH1               | Screwdriver, for Phillips Recess screws, size: 1                                                                                |
|                                                          |                                                                                                                                                                                         | SZK PH2               | Screwdriver, for Phillips Recess screws, size: 2                                                                                |
|                                                          |                                                                                                                                                                                         | SZS 0,4 x 2,5         | Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm                                                                   |
|                                                          |                                                                                                                                                                                         | SZS 0,5 x 3,0         | Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm                                                                  |
|                                                          |                                                                                                                                                                                         | SZS 1,0 x 4,0         | Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm                                                                  |
|                                                          |                                                                                                                                                                                         | SZS 1,0 x 6,5         | Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm                                                                  |
|                                                          |                                                                                                                                                                                         | UNIFOX-C VDE          | Combination pliers, VDE version                                                                                                 |
|                                                          |                                                                                                                                                                                         | UNIFOX-P VDE          | Needle-nose pliers, VDE version                                                                                                 |
|                                                          |                                                                                                                                                                                         | UNIFOX-WP             | Water pump pliers                                                                                                               |
|                                                          |                                                                                                                                                                                         | USS 4                 | Control cabinet key in metal, for all common control cabinets                                                                   |
|                                                          |                                                                                                                                                                                         | WIREFOX 10            | Automatic stripping pliers for conductors 0.02 ... 10 mm²                                                                       |
|                                                          |                                                                                                                                                                                         | WIREFOX-D 40          | Stripping tool, for dismantling cables from 4.5 ... 40 mm, insulation thickness of up to 4.5 mm                                 |
|                                                          |                                                                                                                                                                                         | Cutter knife          | With segment blade                                                                                                              |
|                                                          |                                                                                                                                                                                         | Measuring tape        | 5 m inch/metric                                                                                                                 |
|                                                          |                                                                                                                                                                                         | <b>TOOL-BAG EMPTY</b> | Tool bag, with document and laptop compartments, empty, <a href="#">1212500</a>                                                 |
| Tool bag, assembled according to customer specifications |                                                                                                                                                                                         | <b>TOOL-BAG CUS</b>   | <a href="#">1200081</a>                                                                                                         |
|                                                          | The CUS tool bag can be assembled according to your specifications in the product area of our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> . |                       |                                                                                                                                 |

## Tool sets

Universal tool sets, for convenient on-site use, equipped with cutting, stripping, and testing tools from the TOOL fox tool range. The pockets are made from robust and hard-wearing material. With business card pocket.



| Type                                                     | Order No. | TOOL-CARRIER                                                                                                                                                                            | 1212503                                                                              |
|----------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Tool bag, equipped with each of the following tools:     |           | CRIMPFOX-M                                                                                                                                                                              | Basic pliers, for accommodating dies for various contact types                       |
|                                                          |           | CRIMPFOX-M 10/DIE                                                                                                                                                                       | Die, for CRIMPFOX-M, for 0.25 ... 10 mm <sup>2</sup> ferrules, stackable storage box |
|                                                          |           | CUTFOX 18                                                                                                                                                                               | Cable cutter for copper and aluminum conductors                                      |
|                                                          |           | CUTFOX-S VDE                                                                                                                                                                            | Diagonal cutter for copper and aluminum conductors, VDE-tested                       |
|                                                          |           | SZK PH0                                                                                                                                                                                 | Screwdriver, for Phillips Recess screws, size: 0                                     |
|                                                          |           | SZK PH1                                                                                                                                                                                 | Screwdriver, for Phillips Recess screws, size: 1                                     |
|                                                          |           | SZK PH2                                                                                                                                                                                 | Screwdriver, for Phillips Recess screws, size: 2                                     |
|                                                          |           | SZS 0,4X2,5                                                                                                                                                                             | Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm                        |
|                                                          |           | SZS 0,5X3,0                                                                                                                                                                             | Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm                       |
|                                                          |           | SZS 1,0X4,0                                                                                                                                                                             | Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm                       |
|                                                          |           | SZS 1,0X6,5                                                                                                                                                                             | Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm                       |
|                                                          |           | UNIFOX-CE VDE                                                                                                                                                                           | Combination pliers, angled, VDE version                                              |
|                                                          |           | UNIFOX-P VDE                                                                                                                                                                            | Needle-nose pliers, VDE version                                                      |
|                                                          |           | UNIFOX-WP                                                                                                                                                                               | Water pump pliers                                                                    |
|                                                          |           | USS 4                                                                                                                                                                                   | Control cabinet key in metal, for all common control cabinets                        |
|                                                          |           | WIREFOX 10 VDE                                                                                                                                                                          | Stripping pliers, for stripping conductors up to 10 mm <sup>2</sup>                  |
|                                                          |           | WIREFOX-D 13                                                                                                                                                                            | Stripping tool, for stripping cables from 8 ... 13 mm                                |
|                                                          |           | WIREFOX-D 28                                                                                                                                                                            | Stripping tool, for stripping cables from 8 ... 28 mm                                |
|                                                          |           | Voltage tester                                                                                                                                                                          | Voltage tester for DC and AC voltages from 12 V to 1000 V AC/1100 V DC, IP65         |
|                                                          |           | Cutter knife                                                                                                                                                                            | With segment blade                                                                   |
|                                                          |           | Measuring tape                                                                                                                                                                          | 5 m inch/metric                                                                      |
|                                                          |           | <b>TOOL-CARRIER EMPTY</b>                                                                                                                                                               | Tool bag, empty, <a href="#">1212499</a>                                             |
| Tool bag, assembled according to customer specifications |           | <b>TOOL-CARRIER CUS</b>                                                                                                                                                                 | <a href="#">1200082</a>                                                              |
|                                                          |           | The CUS tool bag can be assembled according to your specifications in the product area of our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> . |                                                                                      |

The tool belt pouch has multiple pockets for safe storage of the tools. With business card pocket.



| Type                                                               | Order No. | TOOL-BELTPOUCH                                                                                                                                                                                  | 1212506                                                                                             |
|--------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Tool belt pouch, equipped with one of each of the following tools: |           | CUTFOX 18                                                                                                                                                                                       | Cable cutter for copper and aluminum conductors up to 18 mm in diameter (up to 50 mm <sup>2</sup> ) |
|                                                                    |           | CUTFOX-S VDE                                                                                                                                                                                    | Diagonal cutter for copper and aluminum conductors, VDE-tested                                      |
|                                                                    |           | Voltage tester                                                                                                                                                                                  | Voltage tester for DC and AC voltages from 12 V to 1000 V AC/1100 V DC, IP65                        |
|                                                                    |           | SZK PH1                                                                                                                                                                                         | Screwdriver, for Phillips Recess screws, size: 1                                                    |
|                                                                    |           | SZK PH2                                                                                                                                                                                         | Screwdriver, for Phillips Recess screws, size: 2                                                    |
|                                                                    |           | SZS 0,5 x 3,0                                                                                                                                                                                   | Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm                                      |
|                                                                    |           | SZS 1,0 x 4,0                                                                                                                                                                                   | Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm                                      |
|                                                                    |           | SZS 1,0 x 5,5                                                                                                                                                                                   | Screwdriver, bladed, blade: 1.0 x 5.5 x 125 mm, length: 223 mm                                      |
|                                                                    |           | UNIFOX-CE VDE                                                                                                                                                                                   | Combination pliers, angled, VDE version                                                             |
|                                                                    |           | USS 4                                                                                                                                                                                           | Control cabinet key in metal, for all common control cabinets                                       |
|                                                                    |           | WIREFOX-D 13                                                                                                                                                                                    | Stripping tool, for stripping cables from 8 ... 13 mm                                               |
|                                                                    |           | Cutter knife                                                                                                                                                                                    | With segment blade                                                                                  |
|                                                                    |           | Measuring tape                                                                                                                                                                                  | 5 m inch/metric                                                                                     |
|                                                                    |           | <b>TOOL-BELTPOUCH EMPTY</b>                                                                                                                                                                     | Tool belt pouch empty, <a href="#">1212502</a>                                                      |
| Tool belt pouch, assembled according to customer specifications    |           | <b>TOOL-BELTPOUCH CUS</b>                                                                                                                                                                       | <a href="#">1200084</a>                                                                             |
|                                                                    |           | The CUS tool belt pouch can be put together according to your requirements in the product area on our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> . |                                                                                                     |

For screwdriver sets see page 57.

# Screwdrivers and torque screwdrivers

## SCREWFOX

Phoenix Contact screwdrivers are tailored to a variety of different screws.

This is particularly true of the products in our terminal block range. Ergonomically designed handles mean that the required torque is transferred with a reasonable amount of force. Adjustable torque and cordless screwdrivers complete the product range.

### Ergonomic and durable

Whether bits, screwdrivers with a wide range of drives and sizes, cordless screwdrivers or manual torque screwdrivers – Phoenix Contact has the right screwdriver tool for you.

- Durable, thanks to specially hardened and tempered blades
- High torque transmission, thanks to the special two-component handle geometry
- Solid, thanks to high-quality components and raw materials





Two-component and ergonomically designed handles ensure an optimum grip and support effortless working.



The finely adjustable torque enables optimum adaptation to various screw sizes and ensures a consistent torque at all times.



The SF-ASD 21 high-precision cordless torque screwdriver is the ideal one-hand tool for efficiently connecting conductors to screw connections.

# SCREWFOX screwdriver tools

## Screwdrivers

The SF... screwdriver tools are equipped with ergonomic two-component handles. This enables effortless working, while transmitting maximum power and thereby enabling a secure hold. Optimum blade shapes guarantee a secure hold in the screw and prevent slipping. The hexagon on the handle prevents rolling away. The VDE-insulated screwdriver tools are unit-tested and offer high security when working with live parts up to 1000 V AC/1500 V DC.

The SF...S-VDE versions has insulation that runs into the shaft. Since there is no protruding shaft, even deeper lying screws can be reached with ease.

|                                                                                                                                                                                                               |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|
|                                                                                                                                                                                                               |                      |  |           |  |           |  |           |
|                                                                                                                                                                                                               |                      | Not insulated                                                                     |           | Insulated                                                                           |           | Insulated, slender design                                                           |           |
|                                                                                                                                                                                                               |                      | Type                                                                              | Order No. | Type                                                                                | Order No. | Type                                                                                | Order No. |
| <b>Slotted</b>                                                                                                                                                                                                | <b>Blade:</b>        |                                                                                   |           |                                                                                     |           |                                                                                     |           |
| <br>The SF-SLIC... screwdriver tools are equipped with an impact cap and a hexagon wrench aid.                               | 0.4 x 2.0 mm         | SF-SL 0,4X2,0-60                                                                  | 1212546   | SZS 0,4X2,5 VDE                                                                     | 1205037   |                                                                                     |           |
|                                                                                                                                                                                                               | 0.4 x 2.5 mm         | SF-SL 0,4X2,5-75                                                                  | 1212547   | SZS 0,5X3,0 VDE                                                                     | 1207404   |                                                                                     |           |
|                                                                                                                                                                                                               | 0.5 x 3.0 mm         | SF-SL 0,5X3,0-80                                                                  | 1212548   | SZS 0,6X2,5 VDE                                                                     | 1205040   |                                                                                     |           |
|                                                                                                                                                                                                               | 0.6 x 2.5 mm         | SF-SL 0,6X3,5-100                                                                 | 1212549   | SZS 0,6X3,5 VDE                                                                     | 1212602   | SF-SL 0,6X3,5-100 S VDE                                                             | 1212587   |
|                                                                                                                                                                                                               | 0.6 x 3.5 mm         | SF-SL 0,6X3,5-200                                                                 | 1212550   | SZS 0,8X4,0 VDE                                                                     | 1212508   | SF-SL 0,8X4,0-100 S VDE                                                             | 1212588   |
|                                                                                                                                                                                                               | 0.8 x 4.0 mm         | SF-SL 0,8X4,0-100                                                                 | 1212551   | SZS 1,0X4,0 VDE                                                                     | 1205066   |                                                                                     |           |
|                                                                                                                                                                                                               | 1.0 x 4.0 mm         |                                                                                   |           | SZS 1,0X5,5 VDE                                                                     | 1209114   | SF-SL 1,0X5,5-125 S VDE                                                             | 1212589   |
|                                                                                                                                                                                                               | 1.0 x 5.5 mm         | SF-SL 1,0X5,5-150                                                                 | 1212552   | SZS 1,0X6,5 VDE                                                                     | 1205079   |                                                                                     |           |
|                                                                                                                                                                                                               | 1.0 x 6.5 mm         |                                                                                   |           | SZS 1,2X8,0 VDE                                                                     | 1205082   |                                                                                     |           |
|                                                                                                                                                                                                               | 1.2 x 6.5 mm         | SF-SL 1,2X6,5-150                                                                 | 1212553   | SF-SLIC 1,2X7,0-125                                                                 | 1212554   |                                                                                     |           |
|                                                                                                                                                                                                               | 1.2 x 8.0 mm         |                                                                                   |           | SF-SLIC 1,6X10,0-175                                                                | 1212555   |                                                                                     |           |
|                                                                                                                                                                                                               | 1.2 x 7.0 mm         |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                                                                                                               | 1.6 x 10.0 mm        |                                                                                   |           |                                                                                     |           |                                                                                     |           |
| <b>Phillips PH</b>                                                                                                                                                                                            |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                              | PH0 x 60 mm          | SF-PH 0-60                                                                        | 1212558   | SZK PH0 VDE                                                                         | 1205147   |                                                                                     |           |
|                                                                                                                                                                                                               | PH0 x 80 mm          |                                                                                   |           | SZK PH1 VDE                                                                         | 1205150   | SF-PH1-80 S VDE                                                                     | 1212693   |
|                                                                                                                                                                                                               | PH1 x 80 mm          | SF-PH 1-80                                                                        | 1212559   | SZK PH2 VDE                                                                         | 1205163   | SF-PH2-100 S VDE                                                                    | 1212694   |
|                                                                                                                                                                                                               | PH2 x 100 mm         | SF-PH 2-100                                                                       | 1212560   | SZK PH3 VDE                                                                         | 1212536   |                                                                                     |           |
|                                                                                                                                                                                                               | PH3 x 150 mm         | SF-PH 3-150                                                                       | 1212561   |                                                                                     |           |                                                                                     |           |
| <b>Phillips PZ</b>                                                                                                                                                                                            |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                            | PZ0 x 60 mm          | SF-PZ 0-60                                                                        | 1212562   | SZK PZ0 VDE                                                                         | 1206447   |                                                                                     |           |
|                                                                                                                                                                                                               | PZ0 x 80 mm          |                                                                                   |           | SZK PZ1 VDE                                                                         | 1206450   | SF-PZ1-80 S VDE                                                                     | 1212695   |
|                                                                                                                                                                                                               | PZ1 x 80 mm          | SF-PZ 1-80                                                                        | 1212563   | SZK PZ2 VDE                                                                         | 1206463   | SF-PZ2-100 S VDE                                                                    | 1212696   |
|                                                                                                                                                                                                               | PZ2 x 100 mm         | SF-PZ 2-100                                                                       | 1212564   | SZK PZ3 VDE                                                                         | 1212599   |                                                                                     |           |
|                                                                                                                                                                                                               | PZ3 x 150 mm         | SF-PZ 3-150                                                                       | 1212565   |                                                                                     |           |                                                                                     |           |
| <b>Plus-Minus PH</b>                                                                                                                                                                                          |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                            | PH1 x 80 mm          |                                                                                   |           | SF-PHSL 1-80 VDE                                                                    | 1212283   | SF-PHSL 1-80 S VDE                                                                  | 1212697   |
|                                                                                                                                                                                                               | PH2 x 100 mm         |                                                                                   |           | SF-PHSL 2-100 VDE                                                                   | 1212288   | SF-PHSL 2-100 S VDE                                                                 | 1212698   |
|                                                                                                                                                                                                               |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                                                                                                               |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                                                                                                               |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
| <b>Plus-Minus PZ</b>                                                                                                                                                                                          |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                            | PZ1 x 80 mm          |                                                                                   |           | SF-PZSL 1-80 VDE                                                                    | 1212556   | SF-PZSL 1-80 S VDE                                                                  | 1212699   |
|                                                                                                                                                                                                               | PZ2 x 100 mm         |                                                                                   |           | SF-PZSL 2-100 VDE                                                                   | 1212557   | SF-PZSL 2-100 S VDE                                                                 | 1212700   |
|                                                                                                                                                                                                               |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
| <b>TX/TXH</b>                                                                                                                                                                                                 |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
| <br>The non-insulated SF-TXH versions can also be used for security screws with pins aside from the standard Torx® screws. | TX(H) 8 x 60 mm      | SF-TXH 8X60                                                                       | 1200148   | SF-TX 8X80 VDE                                                                      | 1200155   |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 8 x 80 mm      |                                                                                   |           | SF-TX 10X80 VDE                                                                     | 1200156   |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 10 x 80 mm     | SF-TXH 10X80                                                                      | 1200149   | SF-TX 15X80 VDE                                                                     | 1200157   |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 15 x 80 mm     | SF-TXH 15X80                                                                      | 1200150   | SF-TX 20X80 VDE                                                                     | 1200158   |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 20 x 80 mm     |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 20 x 100 mm    | SF-TXH 20X100                                                                     | 1200151   | SF-TX 25X100 VDE                                                                    | 1200159   |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 25 x 100 mm    | SF-TXH 25X100                                                                     | 1200152   | SF-TX 30X100 VDE                                                                    | 1200160   |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 30 x 100 mm    |                                                                                   |           |                                                                                     |           |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 30 x 115 mm    | SF-TXH 30X115                                                                     | 1200153   |                                                                                     |           |                                                                                     |           |
|                                                                                                                                                                                                               | TX(H) 40 x 130 mm    | SF-TXH 40X130                                                                     | 1200154   |                                                                                     |           |                                                                                     |           |
| <b>SZG</b>                                                                                                                                                                                                    |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |
| <br>The SZG... screwdrivers have been specially designed for test socket screws.                                           | 0.6 x 3.5 mm (Ø 2.3) |                                                                                   |           | SZG 0,6X3,5 VDE                                                                     | 1205121   |                                                                                     |           |
|                                                                                                                                                                                                               | 0.9 x 6.5 mm (Ø 4.0) |                                                                                   |           | SZG 0,9X6,5 VDE                                                                     | 1205134   |                                                                                     |           |
|                                                                                                                                                                                                               |                      |                                                                                   |           |                                                                                     |           |                                                                                     |           |

## SCREWFOX screwdriver tools

### Screwdrivers for actuating spring-cage and fast connection terminal blocks

In addition to their standard application, these screwdrivers are particularly suited to actuating terminal blocks from the PT..., ST... and QTC... series. The defined blade angle opens the spring terminal block as far as possible without leaving any damage.

The ST-BW... curved versions are ideal for use in narrow areas.



| Type                | Order No. | Non-insulated                                | Insulated                                    | Insulated/angled                       |
|---------------------|-----------|----------------------------------------------|----------------------------------------------|----------------------------------------|
| Blade: 0.4 x 2.5 mm |           | <b>SZF 0-0,4X2,5</b> <a href="#">1204504</a> |                                              | <b>ST-BW-0</b> <a href="#">1200135</a> |
| Blade: 0.6 x 3.5 mm |           | <b>SZF 1-0,6X3,5</b> <a href="#">1204517</a> | <b>SZS 0,6 x 3,5</b> <a href="#">1205053</a> | <b>ST-BW</b> <a href="#">1207608</a>   |
| Blade: 0.8 x 4.0 mm |           | <b>SZF 2-0,8X4,0</b> <a href="#">1204520</a> |                                              |                                        |
| Blade: 1.0 x 5.5 mm |           | <b>SZF 3-1,0X5,5</b> <a href="#">1206612</a> |                                              |                                        |

### Voltage tester single position

Single-position voltage tester, slotted, for 150-250 V AC



| Type | Order No. | SF-VT VDE | <a href="#">1212598</a> |
|------|-----------|-----------|-------------------------|
|------|-----------|-----------|-------------------------|

### Hexagonal socket wrenches and screwdrivers

Socket wrenches for tightening hexagonal screws and nuts. Two-component, ergonomically designed handles ensure an optimum grip.



| Type               | Order No. | Hexagonal socket wrench                |  |
|--------------------|-----------|----------------------------------------|--|
| Wrench size 5.5 mm |           | <b>SHN 5.5</b> <a href="#">1209855</a> |  |
| Wrench size 8.0 mm |           | <b>SHN 8</b> <a href="#">1209868</a>   |  |
| Wrench size 13 mm  |           | <b>SHN 13</b> <a href="#">1209923</a>  |  |

The T-handle screwdrivers for Allen screws remain safely in your hand with the ergonomically designed handles and allow you to work precisely.



| Type               | Order No. | Allen key                                      |  |
|--------------------|-----------|------------------------------------------------|--|
| Size: 2 x 100 mm   |           | <b>SF-THEX 2-100</b> <a href="#">1212637</a>   |  |
| Size: 2.5 x 100 mm |           | <b>SF-THEX 2,5-100</b> <a href="#">1212638</a> |  |
| Size: 3 x 100 mm   |           | <b>SF-THEX 3-100</b> <a href="#">1212639</a>   |  |
| Size: 4 x 150 mm   |           | <b>SF-THEX 4-150</b> <a href="#">1212640</a>   |  |
| Size: 5 x 150 mm   |           | <b>SF-THEX 5-150</b> <a href="#">1212641</a>   |  |
| Size: 6 x 200 mm   |           | <b>SF-THEX 6-200</b> <a href="#">1212642</a>   |  |
| Size: 8 x 200 mm   |           | <b>SF-THEX 8-200</b> <a href="#">1212643</a>   |  |
| Size: 10 x 200 mm  |           | <b>SF-THEX 10-200</b> <a href="#">1212644</a>  |  |

## SCREWFOX screwdriver tools

### Hexagonal socket wrenches and screwdrivers

Offset screwdriver set, metric, 9-part, in practical holder  
Hex: with ball head, matt chrome-plated  
Torx with ball head from TX 15, phosphate coated



| Type                                      | Order No.          | Allen key set | Torx set                  |
|-------------------------------------------|--------------------|---------------|---------------------------|
| Size: SW 1,5, 2, 2,5, 3, 4, 5, 6, 8, 10   | <b>SF-LHEX SET</b> | 1212544       |                           |
| Size: TX 8, 9, 10, 15, 20, 25, 27, 30, 40 |                    |               | <b>SF-LTX SET</b> 1200162 |

### Torque cordless screwdrivers

The cordless screwdriver features the following:

- Right/left rotation
- Two-speed gear
- 21-stage clutch with drilling setting up to 600 rpm
- 6.3 mm hexagonal fast connection drill chuck
- High torque repeat accuracy



| Type                | Order No. | SF-ASD 21                                                 | SF-ASD 21 SET 230V                                                                                                 |
|---------------------|-----------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Description         |           | Adjustable from 0.3 ... 4.4 Nm, incl. 1.2 Ah battery pack | Consisting of: torque cordless screwdriver incl. two batteries, 230 V charger, bits and user manual, aluminum case |
| <b>Accessories</b>  |           |                                                           |                                                                                                                    |
| Replacement charger |           | <b>SF-ASD 21/CHARGER 230 V</b> 1212535                    |                                                                                                                    |
| Replacement battery |           | <b>SF-ASD 21/ACCU 1,5 AH</b> 1212533                      |                                                                                                                    |

### Torque screwdrivers with hexagonal fast connection holder

The high-precision, finely adjustable torque screwdrivers in accordance with EN ISO 6789 are optimally tailored to Phoenix Contact products with a screw connection.



| Type               | Order No. | TSD-M 1,2NM                          | TSD-M 3NM                            | TSD-M 6NM                            |
|--------------------|-----------|--------------------------------------|--------------------------------------|--------------------------------------|
| Torque             |           | 0.3 ... 1.2 Nm                       | 1.2 ... 3.0 Nm                       | 3.0 ... 6.0 Nm                       |
| <b>Accessories</b> |           |                                      |                                      |                                      |
| Adapter insert     |           | <b>TSD-M SAC-BIT ADAPTER</b> 1212600 | <b>TSD-M SAC-BIT ADAPTER</b> 1212600 | <b>TSD-M SAC-BIT ADAPTER</b> 1212600 |

This bit screwdriver with 1/4" quick-action chuck and 119 mm long handle is suitable for bits in accordance with DIN 3126-C 6.3 and E 6.3/ISO 1173.



| Type | Order No. | S-M BH  | SF-UBH  |
|------|-----------|---------|---------|
|      |           | 1212070 | 1212590 |

## SCREWFOX screwdriver tools

### Tool inserts for cordless screwdrivers and bit handles

The hardened bits are suitable for hard and soft screws.  
Optimum edge geometries increase the bearing surface  
and prevent the screws from being over-tightened.



| Type                                     | Order No.                   |                         |                              |                         |
|------------------------------------------|-----------------------------|-------------------------|------------------------------|-------------------------|
| Size: 0.5 x 3.0 x 50 mm                  | <b>SF-BIT-SL 0,5X3,0-50</b> | <a href="#">1212566</a> |                              |                         |
| Size: 0.5 x 3.0 x 70 mm                  | <b>SF-BIT-SL 0,5X3,0-70</b> | <a href="#">1212567</a> |                              |                         |
| Size: 0.6 x 3.5 x 50 mm                  | <b>SF-BIT-SL 0,6X3,5-50</b> | <a href="#">1212568</a> |                              |                         |
| Size: 0.6 x 3.5 x 70 mm                  | <b>SF-BIT-SL 0,6X3,5-70</b> | <a href="#">1212569</a> |                              |                         |
| Size: 0.8 x 4.0 x 50 mm                  | <b>SF-BIT-SL 0,8X4,0-50</b> | <a href="#">1212571</a> |                              |                         |
| Size: 0.8 x 4.0 x 70 mm                  | <b>SF-BIT-SL 0,8X4,0-70</b> | <a href="#">1212572</a> |                              |                         |
| Size: 1.0 x 5.5 x 50 mm                  | <b>SF-BIT-SL 1,0X5,5-50</b> | <a href="#">1212574</a> |                              |                         |
| Size: 1.0 x 5.5 x 70 mm                  | <b>SF-BIT-SL 1,0X5,5-70</b> | <a href="#">1212575</a> |                              |                         |
| Size: 1.2 x 6.5 x 70 mm                  | <b>SF-BIT-SL 1,2X6,5-70</b> | <a href="#">1212577</a> |                              |                         |
| Size: 0.6 x 3.5 x 50 mm for test sockets |                             |                         | <b>SF-BIT-SLS 0,6X3,5-50</b> | <a href="#">1212605</a> |
| Size: 0.9 x 6.5 x 50 mm for test sockets |                             |                         | <b>SF-BIT-SLS 0,9X6,5-50</b> | <a href="#">1212606</a> |



| Type            | Order No.             |                         |                       |                         |
|-----------------|-----------------------|-------------------------|-----------------------|-------------------------|
| Size: 1 x 50 mm | <b>SF-BIT-PH 1-50</b> | <a href="#">1212579</a> | <b>SF-BIT-PZ 1-50</b> | <a href="#">1212591</a> |
| Size: 2 x 50 mm | <b>SF-BIT-PH 2-50</b> | <a href="#">1212580</a> | <b>SF-BIT-PZ 2-50</b> | <a href="#">1212592</a> |
| Size: 3 x 50 mm | <b>SF-BIT-PH 3-50</b> | <a href="#">1212581</a> | <b>SF-BIT-PZ 3-50</b> | <a href="#">1212593</a> |
| Size: 1 x 70 mm | <b>SF-BIT-PH 1-70</b> | <a href="#">1212582</a> | <b>SF-BIT-PZ 1-70</b> | <a href="#">1212594</a> |
| Size: 2 x 70 mm | <b>SF-BIT-PH 2-70</b> | <a href="#">1212583</a> | <b>SF-BIT-PZ 2-70</b> | <a href="#">1212595</a> |
| Size: 3 x 70 mm | <b>SF-BIT-PH 3-70</b> | <a href="#">1212584</a> | <b>SF-BIT-PZ 3-70</b> | <a href="#">1212596</a> |

Plus/minus bits, profile combination of slotted head and crosshead for screw connections on fuse boxes, relays, switching devices, etc.



| Type            | Order No.               |                         |                         |                         |
|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Size: 1 x 70 mm | <b>SF-BIT-PHSL 1-70</b> | <a href="#">1212479</a> | <b>SF-BIT-PZSL 1-70</b> | <a href="#">1212603</a> |
| Size: 2 x 70 mm | <b>SF-BIT-PHSL 2-70</b> | <a href="#">1212601</a> | <b>SF-BIT-PZSL 2-70</b> | <a href="#">1212604</a> |



| Type                          | Order No.              |                         |                            |                         |
|-------------------------------|------------------------|-------------------------|----------------------------|-------------------------|
| Size: 2 x 50 mm/2 x 89 mm     |                        |                         | <b>SF-BIT-HEX 2-50</b>     | <a href="#">1212645</a> |
| Size: 2.5 x 50 mm/2.5 x 89 mm |                        |                         | <b>SF-BIT-HEX 2,5-50</b>   | <a href="#">1212646</a> |
| Size: 3 x 50 mm/3 x 89 mm     |                        |                         | <b>SF-BIT-HEX 3-50</b>     | <a href="#">1212647</a> |
| Size: 4 x 50 mm/4 x 89 mm     |                        |                         | <b>SF-BIT-HEX 4-50</b>     | <a href="#">1212648</a> |
| Size: 5 x 50 mm               |                        |                         | <b>SF-BIT-HEX 5-50</b>     | <a href="#">1212649</a> |
| Size: 6 x 50 mm               |                        |                         | <b>SF-BIT-HEX 6-50</b>     | <a href="#">1212650</a> |
| Size: 8 x 50 mm               | <b>SF-BIT-TX 8-50</b>  | <a href="#">1212570</a> | <b>SF-BIT-HEX 8-50</b>     | <a href="#">1212651</a> |
| Size: 10 x 50 mm              | <b>SF-BIT-TX 10-50</b> | <a href="#">1212573</a> |                            |                         |
| Size: 15 x 50 mm              | <b>SF-BIT-TX 15-50</b> | <a href="#">1212576</a> |                            |                         |
| Size: 20 x 50 mm              | <b>SF-BIT-TX 20-50</b> | <a href="#">1212578</a> |                            |                         |
| Size: 25 x 50 mm              | <b>SF-BIT-TX 25-50</b> | <a href="#">1212585</a> |                            |                         |
| Size: 30 x 50 mm              | <b>SF-BIT-TX 30-50</b> | <a href="#">1212586</a> |                            |                         |
| Size: 40 x 50 mm              | <b>SF-BIT-TX 40-50</b> | <a href="#">1200161</a> |                            |                         |
|                               |                        |                         | <b>SF-BIT-HEX 2-89 S</b>   | <a href="#">1200300</a> |
|                               |                        |                         | <b>SF-BIT-HEX 2,5-89 S</b> | <a href="#">1200301</a> |
|                               |                        |                         | <b>SF-BIT-HEX 3-89 S</b>   | <a href="#">1200302</a> |
|                               |                        |                         | <b>SF-BIT-HEX 4-89 S</b>   | <a href="#">1200303</a> |

## SCREWFOX screwdriver tools

### Hexagonal torque screwdrivers with preset torque

The preset 4 mm hexagonal torque screwdrivers are ideal for tightening pressure nuts and sensor/actuator cables of distributor boxes.



| Type                           | Order No.                                 | Accessories: nuts for                           |                     |                         |  |
|--------------------------------|-------------------------------------------|-------------------------------------------------|---------------------|-------------------------|--|
| Blade: hexagonal, 4 mm, 0.2 Nm | <b>TSD 02 SAC</b> <a href="#">1208487</a> | M8 SAC cable/connector with QUICKON connection  | SAC BIT M8-D10      | <a href="#">1208461</a> |  |
|                                |                                           | M8 connector, for assembly                      | SACC BIT M8-D12     | <a href="#">1208474</a> |  |
| Blade: hexagonal, 4 mm, 0.4 Nm | <b>TSD 04 SAC</b> <a href="#">1208429</a> | M12 SAC cable/connector with QUICKON connection | SAC BIT M12-D15     | <a href="#">1208432</a> |  |
|                                |                                           | M12 connector, for assembly                     | SACC BIT M12-D20    | <a href="#">1208445</a> |  |
|                                |                                           | M12 SAC cable/connector, hexagonal knurl        | SAC BIT M12-W14     | <a href="#">1212513</a> |  |
| Blade: hexagonal, 4 mm, 0.8 Nm | <b>TSD 08 SAC</b> <a href="#">1212597</a> | M12 connector, for assembly                     | SACC BIT M12-D20    | <a href="#">1208445</a> |  |
|                                |                                           | Pressure nuts, wrench size: 13 mm               | SAC BIT QUICKON-W13 | <a href="#">1212033</a> |  |
|                                |                                           | 7/8" SAC cable/connector                        | SAC BIT MIN-D25     | <a href="#">1212512</a> |  |
| Blade: hexagonal, 4 mm, 2.0 Nm | <b>TSD 20 SAC</b> <a href="#">1212020</a> | Pressure nuts, wrench size: 13 mm               | SAC BIT QUICKON-W13 | <a href="#">1212033</a> |  |
| Blade: hexagonal, 4 mm, 2.5 Nm | <b>TSD 25 SAC</b> <a href="#">1212315</a> | Pressure nuts, wrench size 24 mm                | SAC BIT HOOD-W24    | <a href="#">1212486</a> |  |

### Control cabinet keys

Universal control cabinet key with five closures:  
5, 6, 7 ... 8 mm square,  
7 ... 8 mm triangle,  
3 ... 5 mm two-way key bit



| Type | Order No. | USS 4 | <a href="#">1203149</a> |
|------|-----------|-------|-------------------------|
|------|-----------|-------|-------------------------|

Universal control cabinet key with strong chain and snap hook for nine closures:  
5, 6, 7 ... 8, 9 10 mm square,  
7, 8 ... 9, 10 11 mm triangle,  
3 ... 5 mm two-way key bit, 6 mm semicircle



| Type | Order No. | SF-CCK 9 | <a href="#">1212525</a> |
|------|-----------|----------|-------------------------|
|------|-----------|----------|-------------------------|

### Socket wrench set

**Socket wrench set 1/4", 47-part, 1/4" reversible ratchet, 48 teeth with fast locking systems, 1/4" extensions 50 mm and 100 mm, 1/4" screw handle, 1/4" flexible extension 150 mm, 1/4" Kardan joint, 1/4" T-handle 2 x 1/4" bit adapter, 13 knurled 1/4" sockets, wrench size: 4/4.5/5.5/6/7/8/9/10/11/12/13/14 mm, 21 knurled socket bits: 6 x Torx® T10, T15, T20, T25, T30, T40, 6 x Hex 3, 4, 5, 6, 7, 8 mm, 3 x Phillips Recess® PH1, PH2, PH3, 3 x Pozidriv® PZ1, PZ2, PZ3, 3 x slotted 4, 5.5, 7 mm, Allen wrench Hex 1.27, 1.5, 2, 2.5 mm, breakage and impact-resistant plastic case with metal fastening.**



| Type | Order No. | SF-SOCKET SET 47 | <a href="#">1200292</a> |
|------|-----------|------------------|-------------------------|
|------|-----------|------------------|-------------------------|

## SCREWFOX screwdriver tools

### Screwdriver and bit sets

The SF.SET... screwdriver sets are available with a variety of contents. They are supplied including a screwdriver holder for mounting on the wall.



| Type                                                                                                                                                                                                                                                                                               | Order No.                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Screwdriver set</b> , slotted/crosshead Phillips Recess®, 6-piece, incl. rack, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PH 1, PH 2                                                                                                                          | <b>SF-SL/PH SET</b> <a href="#">1212541</a>             |
| <b>Screwdriver set</b> , slotted/crosshead Pozidriv®, 6-piece, incl. rack, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PZ 1, PZ 2                                                                                                                                 | <b>SF-SL/PZ SET</b> <a href="#">1212542</a>             |
| <b>Screwdriver set</b> , slotted/crosshead Pozidriv® VDE-insulated, 6-piece, incl. rack, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PZ 1, PZ 2                                                                                                                   | <b>SF-SL/PZ SET VDE</b> <a href="#">1212540</a>         |
| <b>Screwdriver set</b> , slotted/crosshead Phillips Recess®, VDE-insulated, 6-piece, incl. rack<br>Contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH 1, PH 2                                                                                                         | <b>SF-SL/PH SET VDE</b> <a href="#">1212539</a>         |
| <b>Screwdriver set</b> , protective insulation integrated in the shaft, slotted/crosshead Phillips/combined profile, Pozidriv® + slotted (plus/minus), VDE-insulated, 7-piece, incl. rack<br>Contents: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZ1 x 80; PZ2 x 100 | <b>SF-SL/PH/PZ-SL SET S-VDE</b> <a href="#">1212701</a> |
| <b>Screwdriver set</b> , Torx® with drill bit, 6-piece, incl. rack, contents: TX 8 x 60; TX 10 x 80; TX 15 x 80; TX 20 x 100; TX 25 x 100; TX 30 x 115                                                                                                                                             | <b>SF-THX SET</b> <a href="#">1212538</a>               |
| <b>Screwdriver set</b> , Torx®, VDE-insulated, 6-piece, incl. rack, contents: TX 8 x 80; TX 10 x 80; TX 15 x 80; TX 20 x 80; TX 25 x 100; TX 30 x 100                                                                                                                                              | <b>SF-TX SET VDE</b> <a href="#">1212537</a>            |

The bit set with quick change bit holder comes in a compact plastic box that allows for structured storage and fast access. The hardened bits ensure durability.



| Type                                                                                                     | Order No.                                 |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Bit set</b> with SF-UBH universal bit holder, 25 mm long slotted/crosshead (PZ and PH) bits, 10-piece | <b>SF-BIT SET</b> <a href="#">1212545</a> |

The practical belt pouch has all common bits in a compact form, giving you quick access to the right screwdriver for any situation.



| Type                                                                                                                                                                                                                                                              | Order No.                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Bit screwdriver set with quick-action chuck</b> , 89 mm long slotted/crosshead (PZ and PH)/Hex/ Torx® bits, 17-part, in folding belt pouch<br>Contents: PH 1, 2, 3 x 89; PZ 1, 2, 3 x 89; SL 1.5 x 5.5 x 89; TX 10 ... 30 x 89; SW 3, 4, 5, 6 x 89             | <b>SF-M SET</b> <a href="#">1212543</a>   |
| <b>Bit screwdriver set with quick-action chuck</b> , 89 mm long slotted/crosshead (PZ and PH)/Hex/ Torx® bits, 17-part, in folding belt pouch<br>Contents: PH 1, 2, 3 x 89; SL 4 x 2.5; 6 x 3.5; 8 x 3.5; 1.0 x 5.5; 1.2 x 6.5; TX 10 ... 25 x 89; SW 3.4, 5 x 89 | <b>SF-M SET 2</b> <a href="#">1212756</a> |

# Measuring and test devices

## TESTFOX

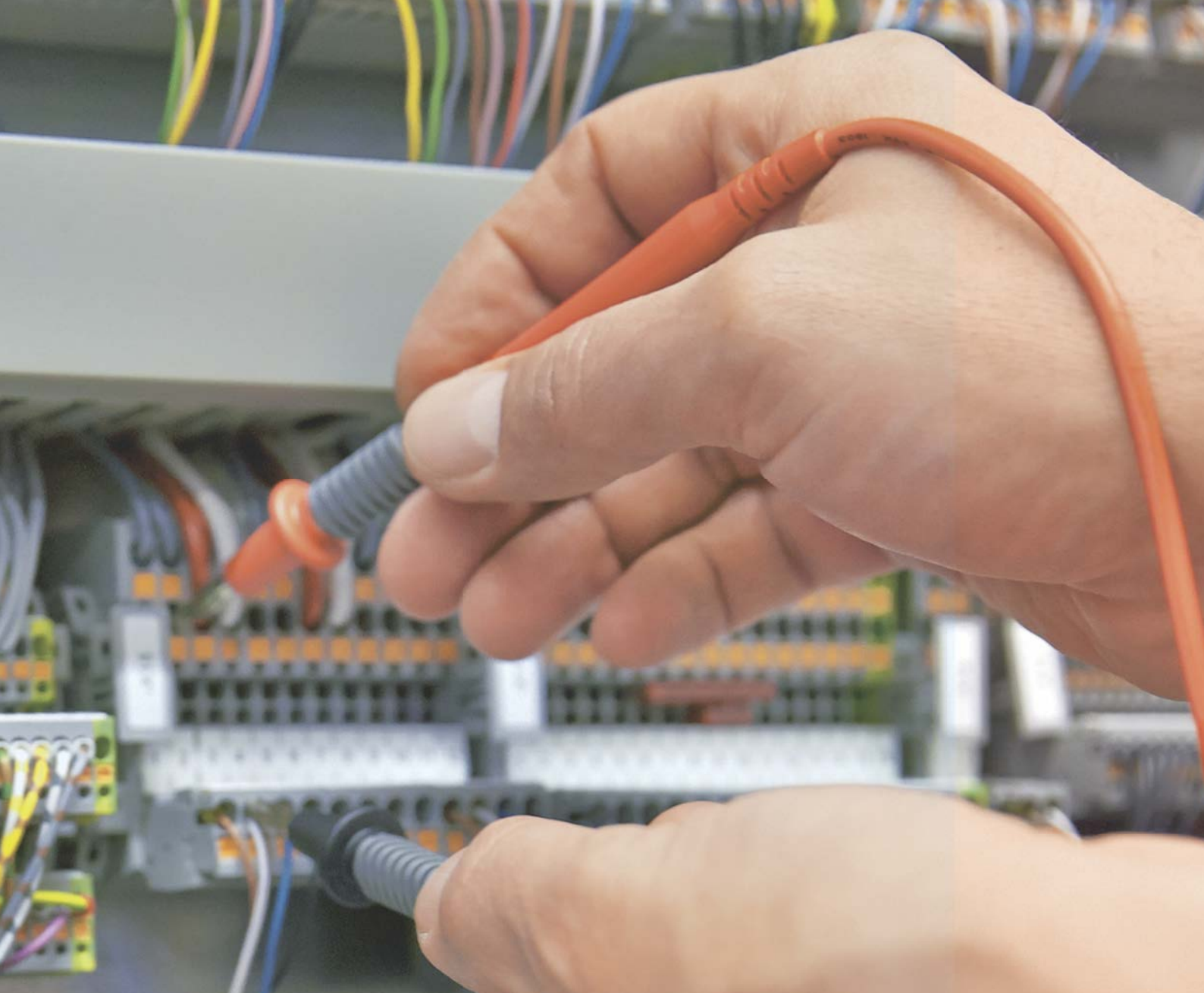
The TESTFOX multimeters, current probes, and voltage testers are a range of high-quality measuring tools, which have been tested and approved in accordance with applicable national and international standards. They support the measurement of all standard parameters and are the ideal solution for all applications in industry, electrical installation, and services.

### Multifunctional and robust

TESTFOX measuring and test devices ensure the safety of your systems and devices.

- Robust and durable, thanks to special shock-proof plastic materials
- High level of functionality: all standard measuring tasks in a single compact device
- Versatile use: also ideal for use in photovoltaics
- Reliable results: elimination of inaccurate measurements due to reactive voltage





#### Wide range of functions

The TESTFOX M-1 supports all standard measuring methods and temperature measurements in compact housing.



#### Versatile use

The TESTFOX CC-1 also allows you to measure small AC/DC currents from 10 mA and is ideal for use in photovoltaics.



#### Error-free measurement

A load can be connected via two pushbuttons in order to rule out inaccurate measurements due to reactive voltage.

## TESTFOX test and measuring devices

The DUSPOL EXPERT voltage and continuity tester features the following:

- Single-position test of the outer conductor (phase)
- Measuring point lighting
- Audible and optical continuity test
- Load connection via pushbutton
- Vibration alarm for safe voltage detection
- Overvoltage category CAT IV 500 V in accordance with IEC/EN 61243-3



| Type             | Order No. | DUSPOL EXPERT | 1209091 |  |
|------------------|-----------|---------------|---------|--|
| Voltage range    | [V DC]    | 12 ... 750    |         |  |
| Voltage range    | [V AC]    | 12 ... 690    |         |  |
| Protection class |           | IP64          |         |  |

The current probes can be used for voltages of up to 600 V, category III. They combine the functions of a digital multimeter with those of a current probe in compact and practical IP30 housing. All measuring ranges are protected against overload.



| Type             | Order No. | TESTFOX CC       | 1212210 | TESTFOX CC-1     | 1212211 |
|------------------|-----------|------------------|---------|------------------|---------|
| Display range    |           | 2,000 digits     |         | 4,000 digits     |         |
| Display accuracy |           | 1.0 %            |         | 0.5 %            |         |
| AC voltage       |           | 0.1 V ... 600 V  |         | 0.1 mV ... 600 V |         |
| DC voltage       |           | 0.1 V ... 600 V  |         | 0.1 mV ... 600 V |         |
| AC current       |           | 0.1 A ... 400 A  |         | 10 mA ... 300 A  |         |
| DC current       |           | —                |         | 10 mA ... 300 A  |         |
| Resistance       |           | 0.1 Ω ... 20 M Ω |         | 0.1 Ω ... 40 M Ω |         |
| Continuity test  |           | Audible (20 Ω)   |         | Audible (50 Ω)   |         |
| Measurement mode |           | RMS              |         | True RMS         |         |

Digital multimeters with volt sensor function offer a remarkable variety of functions and easy handling and impress with their quality. They are tested and approved in accordance with applicable international IEC/EN 61010 standards. The devices can be used for voltages of up to 600 V category III or 1000 V category II.



| Type             | Order No. | TESTFOX M         | 1212208 | TESTFOX M-1         | 1212209 |
|------------------|-----------|-------------------|---------|---------------------|---------|
| Display range    |           | 2,000 digits      |         | 2,000 digits        |         |
| Display accuracy |           | 0.5 %             |         | 0.5 %               |         |
| Volt sensor      |           | Yes               |         | Yes                 |         |
| AC voltage       |           | 0.1 mV ... 750 V  |         | 0.1 mV ... 750 V    |         |
| DC voltage       |           | 0.1 mV ... 1000 V |         | 0.1 mV ... 1000 V   |         |
| AC current       |           | —                 |         | 1 mA ... 10 A       |         |
| DC current       |           | —                 |         | 1 A ... 10 A        |         |
| Resistance       |           | 0.1 Ω ... 20 M Ω  |         | 0.1 Ω ... 20 M Ω    |         |
| Continuity test  |           | Audible (25 Ω)    |         | Audible (25 Ω)      |         |
| Frequency        |           | —                 |         | 1 Hz ... 20 MHz     |         |
| Capacitance      |           | —                 |         | 1.00 pF ... 2.00 mF |         |
| Temperature      |           | —                 |         | -20 °C ... +800 °C  |         |
| Diode test       |           | Yes (1.5 mA)      |         | Yes (1.5 mA)        |         |
| Measurement mode |           | RMS               |         | RMS                 |         |

TESTFOX test and measuring devices

The measuring offers robust and versatile use. Internal and external measurements are especially easy, thanks to the movable, magnetic hooks. In addition, it has an automatic tape feed and a locking device, an abrasion-resistant and easy to read scale as well as a belt clip.



| Type                            | Order No. |                       |         |
|---------------------------------|-----------|-----------------------|---------|
| Measuring tape, 5 m, metric     |           | MEASURING TAPE 5M     | 1200298 |
| With inch/metric measuring rail |           | MEASURING TAPE 5M I/M | 1200304 |

# Electronics pliers MICROFOX

MICROFOX is the range of pliers for all tasks in electronics and electromechanical engineering. It is ideal for working on hard to access areas such as PCB components.

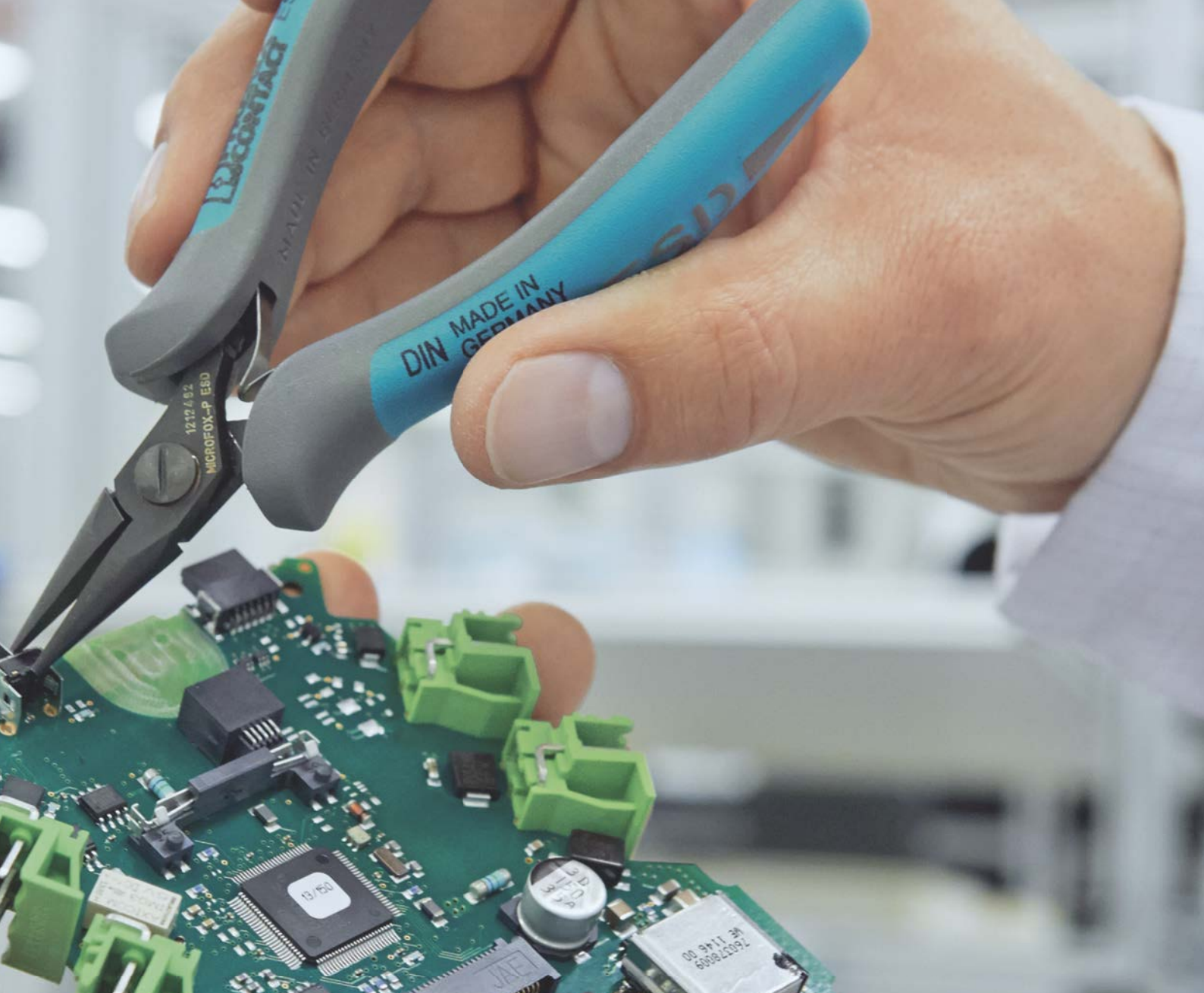
The micro pliers feature ergonomically shaped two-component handles. This ensures a secure grip and makes effortless work. To protect sensitive electronic components, we recommend the ESD versions with special handles. These discharge the electrostatic charges in a controlled manner in accordance with the relevant standards and regulations.

## Precise and convenient

Sophisticated tools for all precise tasks in the field of electronics.

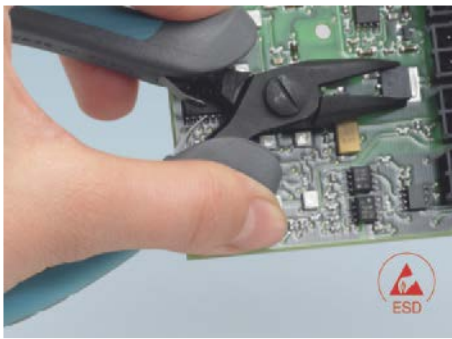
- Protect electronic components, thanks to the ESD design
- Ultra-precise: lowest tolerances during production
- Durable, thanks to high-quality components and raw materials





#### Durable

The tools are made from special C 60 tool steel, hardened and precision-ground which allows for superior cutting performance and makes them particularly durable.



#### Safe

The handles of the MICROFOX... ESD electronics pliers are made from conductive plastic. This means that electrostatic energy is discharged in a gradual and controlled manner.



#### Precise

The integrated double leaf spring and the ergonomic non-slip handles ensure accuracy and precision when working with electronic components.

## MICROFOX electronics pliers

### Electronics pliers

MICROFOX electronics pliers feature a through-connected joint for permanent stability and optimum distribution of force. The surfaces are finely polished and oiled and are equipped with an opening spring that allows for working with just one hand.



| Type        | Order No. | MICROFOX-SB               | 1212489 | MICROFOX-SP                  | 1212488 |
|-------------|-----------|---------------------------|---------|------------------------------|---------|
| Description |           | Diagonal cutter           |         | Diagonal cutter              |         |
|             |           | Rounded head with chamfer |         | Tapered head without chamfer |         |

The cutting tools are precision-ground and offer ideal cutting results in the long term. The two-component handles provide for non-slip and effortless use.



| Type        | Order No. | MICROFOX-E   | 1212494 | MICROFOX-EO             | 1212495 | MICROFOX-P              | 1212493 |
|-------------|-----------|--------------|---------|-------------------------|---------|-------------------------|---------|
| Description |           | Front cutter |         | Front cutter            |         | Needle-nose pliers      |         |
|             |           | No chamfer   |         | Angled, 20°, no chamfer |         | Smooth gripping surface |         |

The gripping surfaces of the tools are designed flat to avoid damage when gripping and bending components.



| Type        | Order No. | MICROFOX-PC                        | 1212492 | MICROFOX-F              | 1212493 | MICROFOX-R              | 1212490 |
|-------------|-----------|------------------------------------|---------|-------------------------|---------|-------------------------|---------|
| Description |           | Needle-nose pliers                 |         | Flat-nose pliers        |         | Round-nose pliers       |         |
|             |           | 45° angle, smooth gripping surface |         | Smooth gripping surface |         | Smooth gripping surface |         |

## MICROFOX electronics pliers

### Electronics pliers

The MICROFOX-SP-1 is equipped with a sensitive spring mechanism. The phosphate coated surface supports glare-free work on soft materials such as copper and plastic. The blades are designed without a chamfer and thus realize flush cuts.



|             |           |                                        |         |  |
|-------------|-----------|----------------------------------------|---------|--|
| Type        | Order No. | <b>MICROFOX-SP-1</b>                   | 1212487 |  |
| Description |           | Diagonal cutter                        |         |  |
|             |           | Tapered head, no chamfer, plated joint |         |  |

### ESD electronics pliers

The MICROFOX ESD electronics pliers conform to applicable standards and regulations including DIN EN 61340-5. The screwed precision joint ensures optimum results. The metal surfaces are mirror-polished and then phosphate-treated to ensure that there is no glare when working.



|             |           |                          |         |                       |         |                         |         |
|-------------|-----------|--------------------------|---------|-----------------------|---------|-------------------------|---------|
| Type        | Order No. | <b>MICROFOX-S ESD</b>    | 1212480 | <b>MICROFOX-E ESD</b> | 1212485 | <b>MICROFOX-P ESD</b>   | 1212482 |
| Description |           | Diagonal cutter          |         | Front cutter          |         | Needle-nose pliers      |         |
|             |           | Rounded head, no chamfer |         | No chamfer            |         | Smooth gripping surface |         |

The electronics pliers are equipped with an opening spring that allows for sensitive working with just one hand. The flat gripping surfaces protect delicate parts from being damaged.



|             |           |                                    |         |                         |         |                         |         |
|-------------|-----------|------------------------------------|---------|-------------------------|---------|-------------------------|---------|
| Type        | Order No. | <b>MICROFOX-PC ESD</b>             | 1212483 | <b>MICROFOX-F ESD</b>   | 1212484 | <b>MICROFOX-R ESD</b>   | 1212481 |
| Description |           | Needle-nose pliers                 |         | Flat-nose pliers        |         | Round-nose pliers       |         |
|             |           | 45° angle, smooth gripping surface |         | Smooth gripping surface |         | Smooth gripping surface |         |

# Automatic devices

## Cutting, stripping, and crimping devices

Phoenix Contact has a comprehensive range of innovative automatic devices for the automation of fast and flexible processing of conductors and cables. A combination of functionality, quality, and fast setup times guarantees high levels of flexibility while ensuring high-quality results every time.

### Flexible and fast

Cutting, stripping and crimping: Increase your efficiency by automating these three substeps.

- Easy startup and high process reliability in the application
- Intuitive operation via display, knobs or numerical keys
- Durable and low-maintenance, thanks to the robust design and the use of low-wear components





#### **Automatic cutting**

The CUTFOX 10 automatic cutting device cuts solid and stranded conductors and cables with a cross section of up to 10 mm<sup>2</sup> with millimeter precision. It is operated via a user-friendly display.



#### **Automatic stripping**

The WF 1000 automatically insulates conductors up to 6 mm<sup>2</sup> or cables up to 6 mm in diameter. The stripping dimensions are set individually via knobs and shown on the display.



#### **Automatic crimping**

The CF 500 is characterized by a high press capacity in a compact design. It processes connectors up to 50 mm<sup>2</sup>.

## Automatic devices



The CUTFOX 10 automatic cutting device cuts conductors and cables up to 10 mm<sup>2</sup>. Solid and stranded conductors can be cut to length with millimeter precision. The length and number of cuts are entered via the user-friendly display. The CUTFOX 10 automatically adapts to the diameter when there is a change in material.



The WF 1000 stripping machine can be used to automatically strip conductors with a cross section of up to 6 mm<sup>2</sup> or cables up to 6 mm Ø, and also offers the option of partial stripping. The stripping dimensions are set individually via knobs and shown on the display.



The ZAP crimping pliers are pneumatic pliers for ferrules with a cross section range from 0.25 to 10 mm<sup>2</sup>. The crimping process is activated by a foot valve or a manual trigger, depending on the version. Two integrated recesses allow quick access to the ferrules.



The CF 500 is characterized by a high press capacity in a compact design. The dies can be replaced quickly and easily, which makes it ideal for processing a variety of contact types up to 50 mm<sup>2</sup>.



The Crimphandy is a portable hand-held device for stripping and crimping in one step – in less than 2 seconds. Automatic monitoring functions ensure optimum, high-quality crimping every time.



The CF 3000-2,5 automatic stripping and crimping device processes taped ferrules with insulating collars in accordance with DIN 46228-4. This device allows conductors with a cross section range from 0.25 to 2.5 mm<sup>2</sup> to be stripped and fitted with ferrules in a single step. The automatic device can be adapted to various cross sections in under a minute.

## Automatic devices

### CUTFOX 10 automatic cutting device

The CUTFOX 10 automatic cutting device cuts conductors and cables up to 10 mm<sup>2</sup>. Solid and stranded conductors can be cut to length with millimeter precision. The length and number of cuts are entered via the user-friendly display. The CUTFOX 10 automatically adapts to the diameter when there is a change in material.



| Type                                                                                                                            | Order No.                     |                               |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|
| <b>Automatic cutting device, 100 ... 240 V, 50 ... 60 Hz version</b>                                                            | <b>CUTFOX 10</b>              | <b>1206829</b>                |
| For conductors and cables up to 8 mm Ø                                                                                          |                               |                               |
| Solid (up to 2.5 mm <sup>2</sup> ) and stranded (up to 10 mm <sup>2</sup> )                                                     |                               |                               |
| <b>Cable roller for CUTFOX 10</b>                                                                                               | <b>CUTFOX 10 C-UN</b>         | <b>1208393</b>                |
| Cable unwinder for accommodating cable rings and coils                                                                          |                               |                               |
| <b>Technical data</b>                                                                                                           |                               |                               |
| <b>Dimensions, width/length/height</b>                                                                                          | [mm]                          | 194/301/228                   |
| <b>Weight</b>                                                                                                                   | [kg]                          | 11                            |
| <b>Power consumption</b>                                                                                                        | [VA]                          | 80                            |
| <b>Fine-strand</b>                                                                                                              | [mm <sup>2</sup> ]            | 0.25 ... 10                   |
| <b>Single-strand</b>                                                                                                            | [mm <sup>2</sup> ]            | 0.25 ... 2.5                  |
| <b>Max. passage</b>                                                                                                             | [mm]                          | 8                             |
| <b>Cross section setting</b>                                                                                                    |                               | Automatic                     |
| <b>Maximum number of cuts</b>                                                                                                   | [unit]                        | 9999                          |
| <b>Length</b>                                                                                                                   | [m]                           | Up to 1000                    |
| <b>Feed rate</b>                                                                                                                | [m/s]                         | 0.5                           |
| <b>Unit of measurement</b>                                                                                                      |                               | mm / inch                     |
| <b>Dialog language</b>                                                                                                          |                               | German/English/French/Italian |
| <b>Accessories, automatic cutting device</b>                                                                                    |                               |                               |
| <b>Replacement drive wheels</b>                                                                                                 | <b>CF-10 WHEEL SET</b>        | <b>1207271</b>                |
| 2 pcs., for CUTFOX 10                                                                                                           |                               |                               |
| 2 pcs., for CUTFOX 10, with PU tread, for sensitive cables/conductors and their insulation (for hard insulation to some extent) | <b>CF-10 WHEEL SET PU</b>     | <b>1200098</b>                |
| 2 pcs., for CUTFOX 10 with hardened, finely knurled steel tread, for very hard insulation and materials                         | <b>CF-10 WHEEL SET STEEL</b>  | <b>1200099</b>                |
| <b>Replacement blade set</b>                                                                                                    | <b>CF-10 CUTTER KNIFE SET</b> | <b>1207284</b>                |
| For CUTFOX 10                                                                                                                   |                               |                               |
| <b>Accessories, cable unwinder</b>                                                                                              |                               |                               |
| <b>Replacement rotary table for cable roller</b>                                                                                | <b>CUTFOX 10 R-C</b>          | <b>1208403</b>                |
| For accommodating and coordinated unwinding of cable rings and coils                                                            |                               |                               |
| <b>Replacement holding arms for rotary tables</b>                                                                               | <b>CUTFOX 10 BAR</b>          | <b>1208416</b>                |
| Rotary table, 4 arms for rotary table                                                                                           |                               |                               |

## Automatic devices

### WF 1000 stripping machine

The WF 1000 stripping machine can be used to automatically strip conductors with a cross section of up to 6 mm<sup>2</sup> or cables up to 6 mm Ø, and also offers the option of partial stripping. The stripping dimensions are set individually via knobs and shown on the display.

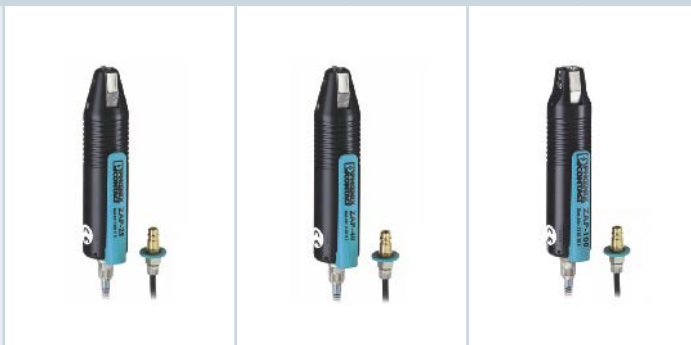


| Type                                                        | Order No.            |                         |
|-------------------------------------------------------------|----------------------|-------------------------|
| <b>Stripping machine, 230 V version</b>                     | <b>WF 1000</b>       | <a href="#">1212149</a> |
| For conductors and cables                                   |                      |                         |
| Solid and stranded 0.08 ... 6 mm <sup>2</sup> (max. Ø 6 mm) |                      |                         |
| With integrated graphics display                            |                      |                         |
| <b>Stripping machine, 120 V version</b>                     | <b>WF 1000 120 V</b> | <a href="#">1212258</a> |
| For conductors and cables                                   |                      |                         |
| Solid and stranded 0.08 ... 6 mm <sup>2</sup> (max. Ø 6 mm) |                      |                         |
| With integrated graphics display                            |                      |                         |
| <b>Technical data</b>                                       |                      |                         |
| <b>Dimensions</b> , width/length/height                     | [mm]                 | 141/363/221             |
| <b>Weight</b>                                               | [kg]                 | 9.5                     |
| <b>Power consumption</b>                                    | [VA]                 | 160                     |
| <b>Working cycle</b>                                        | [s]                  | 0.3                     |
| <b>Fine-strand</b>                                          | [mm <sup>2</sup> ]   | 0.08 ... 6              |
| <b>Stripping length</b>                                     | [mm]                 | 2 ... 20                |
| <b>Partial stripping length</b>                             | [mm]                 | 2 ... 20                |
| <b>Max. passage</b>                                         | [mm]                 | 6                       |
| <b>Accessories, automatic cutting device</b>                |                      |                         |
| <b>Replacement stripping blade</b>                          | <b>WF 1000/SB</b>    | <a href="#">1212279</a> |

## Automatic devices

### ZAP pneumatic crimping pliers

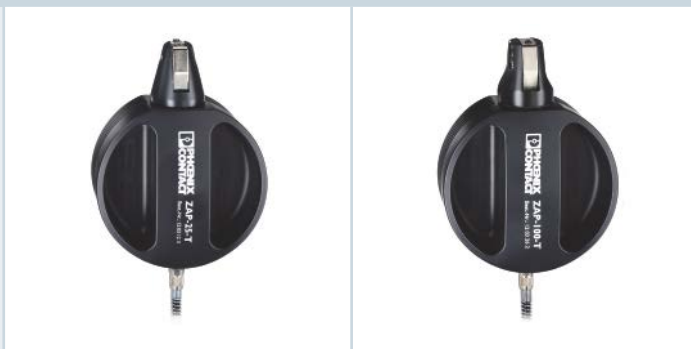
The ZAP crimping pliers are pneumatic pliers for ferrules with a cross section range from 0.25 to 10 mm². They are the perfect alternative to the hand pliers, which protects joints and tendons. They are light, handy, and easy to use.



| Type                                          | Order No. |               |                |                |
|-----------------------------------------------|-----------|---------------|----------------|----------------|
| <b>Pneumatic crimping pliers</b>              |           | <b>ZAP 25</b> | <b>1203110</b> | <b>ZAP 40</b>  |
| For ferrules in accordance with DIN 46228-1/4 |           |               |                | <b>1212630</b> |
|                                               |           |               |                | <b>ZAP 100</b> |
|                                               |           |               |                | <b>1203259</b> |

| Technical data                         |           |                        |                      |                   |
|----------------------------------------|-----------|------------------------|----------------------|-------------------|
| <b>Conductor</b>                       | [mm²]/AWG | 0.25 ... 2.5/24 ... 14 | 0.25 ... 4/24 ... 12 | 4 ... 10/12 ... 8 |
| <b>Pressure range</b>                  | [bar]     | 4 ... 6                | 4 ... 6              | 4 ... 6           |
| <b>Air consumption per compression</b> | [l]       | 0.2                    | 0.2                  | 0.2               |
| <b>Crimping</b>                        |           | Trapezoidal            | Trapezoidal          | Trapezoidal       |

The ZAP... pneumatic crimping pliers are designed for work at the workbench and equipped with a foot switch. This keeps both hands free for equipping the conductor. Depending on the model, they process conductor cross sections from 0.25 to 10 mm².



| Type                                          | Order No. |                 |                  |
|-----------------------------------------------|-----------|-----------------|------------------|
| <b>Pneumatic crimping pliers</b>              |           | <b>ZAP 25 T</b> | <b>1203123</b>   |
| For ferrules in accordance with DIN 46228-1/4 |           |                 | <b>ZAP 100 T</b> |
|                                               |           |                 | <b>1203262</b>   |

| Technical data                         |           |                        |                   |
|----------------------------------------|-----------|------------------------|-------------------|
| <b>Conductor</b>                       | [mm²]/AWG | 0.25 ... 2.5/24 ... 14 | 4 ... 10/12 ... 8 |
| <b>Pressure range</b>                  | [bar]     | 4 ... 6                | 4 ... 6           |
| <b>Air consumption per compression</b> | [l]       | 0.2                    | 0.2               |
| <b>Crimping</b>                        |           | Trapezoidal            | Trapezoidal       |

## Automatic devices

### Portable hand-held device CRIMPHANDY

Portable stripping and crimping device for processing standard PVC conductors with insulated ferrules. The Crimphandy impresses with its easy, effortless use, which helps protect your joints, muscles and tendons. The compact lightweight offers you unlimited portability, thanks to its battery operation. The cutting unit complements the stripping and crimping process steps.



| Type                 | Order No.          | CF CRIMPHANDY 0,5                                                                                                                                                                                                                                                                            | 1212463 | CF CRIMPHANDY 0,75 | 1212464 |
|----------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------|---------|
| Dimensions W x H x L | [mm]               | 43 x 70 x 205                                                                                                                                                                                                                                                                                |         | 43 x 70 x 205      |         |
| Weight               | [kg]               | 0.43                                                                                                                                                                                                                                                                                         |         | 0.43               |         |
| Conductor            | [mm <sup>2</sup> ] | 0.5                                                                                                                                                                                                                                                                                          |         | 0.75               |         |
| Working cycle        | [s]                | < 2                                                                                                                                                                                                                                                                                          |         | < 2                |         |
| Crimping             |                    | Square crimping                                                                                                                                                                                                                                                                              |         | Square crimping    |         |
| Insertion length     | [mm]               | Min. 32                                                                                                                                                                                                                                                                                      |         | Min. 32            |         |
| Description          |                    | <b>Portable crimping device</b> , battery-powered, for processing taped ferrules with function end, suitable for PVC insulated conductors (H05V-K), incl. battery and charger, CUTFOX 12 cable cutter, service tool for troubleshooting, and one strip of ferrules, packed in a robust case. |         |                    |         |

| Type                 | Order No.          | CF CRIMPHANDY 1,0                                                                                                                                                                                                                                                                                   | 1212465 | CF CRIMPHANDY 1,5 | 1212466 |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|---------|
| Dimensions W x H x L | [mm]               | 43 x 70 x 205                                                                                                                                                                                                                                                                                       |         | 43 x 70 x 205     |         |
| Weight               | [kg]               | 0.43                                                                                                                                                                                                                                                                                                |         | 0.43              |         |
| Conductor            | [mm <sup>2</sup> ] | 1                                                                                                                                                                                                                                                                                                   |         | 1.5               |         |
| Working cycle        | [s]                | < 2                                                                                                                                                                                                                                                                                                 |         | < 2               |         |
| Crimping             |                    | Square crimping                                                                                                                                                                                                                                                                                     |         | Square crimping   |         |
| Insertion length     | [mm]               | Min. 32                                                                                                                                                                                                                                                                                             |         | Min. 32           |         |
| Description          |                    | <b>Portable crimping device</b> , battery-powered, for processing taped ferrules with function end, suitable for PVC insulated conductors (H05V-K/H07V-K), incl. battery and charger, CUTFOX 12 cable cutter, service tool for troubleshooting, and one strip of ferrules, packed in a robust case. |         |                   |         |

| Accessories                                                                                                                                                       |  |                                                                                     |         |                                                                                       |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|---------|
| <b>Reel ferrules</b> , 8 mm, with plastic sleeve, in accordance with DIN 46228-4: 1990-09 and UL 486F, UL-certified, 50 pieces per strip, 20 strips per Pcs./Pkt. |  |  |         |  |         |
| White (DIN 46228-4/UL 486F/NF C 63-023)                                                                                                                           |  | <b>AI 0,5-8 WH-S</b>                                                                | 1212521 |                                                                                       |         |
| Orange (special color)                                                                                                                                            |  | <b>AI 0,5-8 OG-S</b>                                                                | 1212784 |                                                                                       |         |
| Gray (DIN 46228-4/UL 486F)                                                                                                                                        |  |                                                                                     |         | <b>AI 0,75-8 GY-S</b>                                                                 | 1212522 |
| Blue (NF C 63-023)                                                                                                                                                |  |                                                                                     |         | <b>AI 0,75-8 BU-S</b>                                                                 | 1212785 |
| White (special color)                                                                                                                                             |  |                                                                                     |         | <b>AI 0,75-8 WH-S</b>                                                                 | 1212783 |
| Red (DIN 46228-4/UL 486F/NF C 63-023)                                                                                                                             |  | <b>AI 1,0-8 RD-S</b>                                                                | 1212523 |                                                                                       |         |
| Yellows (special color)                                                                                                                                           |  | <b>AI 1,0-8 YE-S</b>                                                                | 1212782 |                                                                                       |         |
| Black (DIN 46228-4/UL 486F/NF C 63-023)                                                                                                                           |  |                                                                                     |         | <b>AI 1,5-8 BK-S</b>                                                                  | 1212524 |
| Red (special color)                                                                                                                                               |  |                                                                                     |         | <b>AI 1,5-8 RD-S</b>                                                                  | 1212781 |
| <b>Replacement battery</b> for CF CRIMPHANDY..., Li-ion 7.4V; 0.68 Ah                                                                                             |  | <b>CF CRIMPHANDY/ACCU</b>                                                           |         |                                                                                       | 1212518 |
| <b>Replacement charger</b> for CF CRIMPHANDY..., 100 ... 240 V AC                                                                                                 |  | <b>CF CRIMPHANDY/CHARGER</b>                                                        |         |                                                                                       | 1212519 |
| <b>Cutting unit</b> for CF CRIMPHANDY..., for copper wires from 0.5 ... 1.5 mm <sup>2</sup> , incl. receptacle tray                                               |  | <b>CF CRIMPHANDY CUTTER</b>                                                         |         |                                                                                       | 1212520 |
| <b>Service tool</b> for CF-CRIMPHANDY..., for rectifying malfunctions                                                                                             |  | <b>CF CRIMPHANDY 0,5/ SERVICE-TOOL</b>                                              | 1212787 | <b>CF CRIMPHANDY 0,75/ SERVICE-TOOL</b>                                               | 1212786 |
| <b>Service tool</b> for CF-CRIMPHANDY..., for rectifying malfunctions                                                                                             |  | <b>CF CRIMPHANDY 1,0/ SERVICE-TOOL</b>                                              | 1212759 | <b>CF CRIMPHANDY 1,5/ SERVICE-TOOL</b>                                                | 1212708 |

## Automatic devices

### CF 3000 automatic stripping and crimping device

The CF 3000-2,5 automatic stripping and crimping device processes taped ferrules with insulating collars in accordance with DIN 46228-4. This device allows conductors with a cross section range from 0.25 to 2.5 mm<sup>2</sup> to be stripped and fitted with ferrules in a single step. The automatic device can be adapted to various cross sections in under a minute. Color coding in accordance with ferrule standard DIN 46228-4 makes the assignment of modification components really clear. Due to its compact and light design, the CF 3000 can also be used at different workstations.



| Type                                                                            | Order No.                   |                        |
|---------------------------------------------------------------------------------|-----------------------------|------------------------|
| <b>Stripping and crimping device, 230 V version</b>                             | <b>CF 3000-2,5</b>          | <b>1205477</b>         |
| For insulated taped ferrules, 0.25 ... 2.5 mm <sup>2</sup> , sleeve length 8 mm |                             |                        |
| Incl. conversion kits for 0.5 ... 2.5 mm <sup>2</sup>                           |                             |                        |
| <b>Stripping and crimping device, 120 V version</b>                             | <b>CF 3000-2,5 120 V</b>    | <b>1205516</b>         |
| For insulated taped ferrules, 0.25 ... 2.5 mm <sup>2</sup> , sleeve length 8 mm |                             |                        |
| Incl. conversion kits for 0.5 ... 2.5 mm <sup>2</sup>                           |                             |                        |
| <b>Technical data</b>                                                           |                             |                        |
| <b>Dimensions</b> , width/length/height                                         | [mm]                        | 165 / 320 / 300        |
| <b>Weight</b>                                                                   | [kg]                        | 12                     |
| <b>Conductor</b>                                                                | [mm <sup>2</sup> ]/AWG      | 0.25 ... 2.5/24 ... 14 |
| <b>Working cycle</b>                                                            | [s]                         | 1.2                    |
| <b>Crimping</b>                                                                 |                             | Trapezoidal            |
| <b>Power consumption</b>                                                        | [VA]                        | 80                     |
| <b>Insertion length</b>                                                         | [mm]                        | Min. 32                |
| <b>Accessories</b>                                                              |                             |                        |
| <b>Extension kit</b> , complete for CF 3000                                     | <b>CF 3000-TOOLKIT 0,25</b> | <b>1212376</b>         |
| For insulated taped ferrules, 0.25/0.34 mm <sup>2</sup> , sleeve length 8 mm    |                             |                        |
| <b>Replacement locator</b>                                                      |                             |                        |
| 0.25/0.34 mm <sup>2</sup>                                                       | <b>CF 3000 LOC 0,25</b>     | <b>1212377</b>         |
| 0.5 mm <sup>2</sup>                                                             | <b>CF 3000 LOC 0,5</b>      | <b>1205639</b>         |
| 0.75 mm <sup>2</sup>                                                            | <b>CF 3000 LOC 0,75</b>     | <b>1205642</b>         |
| 1.0 mm <sup>2</sup>                                                             | <b>CF 3000 LOC 1,0</b>      | <b>1205655</b>         |
| 1.5 mm <sup>2</sup>                                                             | <b>CF 3000 LOC 1,5</b>      | <b>1205668</b>         |
| 2.5 mm <sup>2</sup>                                                             | <b>CF 3000 LOC 2,5</b>      | <b>1205671</b>         |
| <b>Replacement blade</b>                                                        |                             |                        |
| 0.25/0.34 mm <sup>2</sup> , adjustable                                          | <b>CF 3000 AB 0,25</b>      | <b>1212380</b>         |
| 0.5 mm <sup>2</sup>                                                             | <b>CF 3000 AM 0,5</b>       | <b>1205587</b>         |
| 0.75 mm <sup>2</sup>                                                            | <b>CF 3000 AM 0,75</b>      | <b>1205590</b>         |
| 1.0 mm <sup>2</sup>                                                             | <b>CF 3000 AM 1,0</b>       | <b>1205600</b>         |
| 1.5 mm <sup>2</sup>                                                             | <b>CF 3000 AM 1,5</b>       | <b>1205613</b>         |
| 2.5 mm <sup>2</sup>                                                             | <b>CF 3000 AM 2,5</b>       | <b>1205626</b>         |

## Automatic devices

### CF 1000 crimping device

The automatic CF 1000-1,5 and CF 1000-10 stripping and crimping devices process conductors and sleeves from 0.25 to 10 mm<sup>2</sup>. Switching the cross section and sleeve length is particularly fast and only requires a few steps. Thanks to its maintenance and wear-free components, the device offers high reliability and durability. Even special sleeves such as AL... GB can be used for conductors with thicker insulation by using extension kits and components.



Figure shows CF 1000-1,5

| Type                                                                                                                         | Order No.                         |                         |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------|
| <b>Stripping and crimping device</b>                                                                                         | <b>CF 1000-1,5</b>                | <b>1208199</b>          |
| Electro-pneumatic, for loose ferrules with insulating collar, 0.34 ... 4 mm <sup>2</sup> in accordance with DIN 46228-4      |                                   |                         |
| Incl. conversion kits for 0.5 ... 1.5 mm <sup>2</sup> (stripping length: 6 ... 12 mm)                                        |                                   |                         |
| <b>Stripping and crimping device</b>                                                                                         | <b>CF 1000-10</b>                 | <b>1212456</b>          |
| Electro-pneumatic, for loose ferrules with insulating collar, 4 mm <sup>2</sup> , 6 mm <sup>2</sup> , and 10 mm <sup>2</sup> |                                   |                         |
| (Stripping length 10 ... 12 mm), without conversion kit                                                                      |                                   |                         |
| <b>Technical data</b>                                                                                                        |                                   |                         |
| <b>Dimensions</b> , width/length/height                                                                                      | [mm]                              | 250/550/412             |
| <b>Weight</b>                                                                                                                | [kg]                              | 29                      |
| <b>Voltage</b>                                                                                                               | [V]                               | 100 ... 240             |
| <b>Frequency</b>                                                                                                             | [Hz]                              | 50 ... 60               |
| <b>Air consumption per compression</b>                                                                                       | [l]                               | 1.2                     |
| <b>Working cycle</b>                                                                                                         | [s]                               | 1.5                     |
| <b>Crimping pressure</b>                                                                                                     | [kN]                              | 10                      |
| <b>Crimping</b>                                                                                                              |                                   | Trapezoidal             |
| <b>Insertion length</b>                                                                                                      | [mm]                              | Min. 32 (40 CF 1000-10) |
| <b>Compressed air connection</b>                                                                                             | [bar]                             | 5-6                     |
| <b>Accessories</b>                                                                                                           |                                   |                         |
| <b>Extension kit</b> for CF 1000-1,5                                                                                         |                                   |                         |
| 0.25/0.34 mm <sup>2</sup> , sleeve length 6 and 8 mm                                                                         | <b>CF 1000-TOOLKIT 0,34/6-8</b>   | <b>1208226</b>          |
| 2.5 mm <sup>2</sup> , sleeve length 6 ... 12 mm                                                                              | <b>CF 1000-TOOLKIT 2,5/6-12</b>   | <b>1208242</b>          |
| 4 mm <sup>2</sup> , sleeve length 10 mm                                                                                      | <b>CF 1000-TOOLKIT 4,0/10</b>     | <b>1208271</b>          |
| <b>Extension kit</b> for CF 1000-10                                                                                          |                                   |                         |
| For loose ferrules with insulating collar                                                                                    |                                   |                         |
| 4 mm <sup>2</sup> , sleeve length 10 ... 12 mm                                                                               | <b>CF 1000-10-TOOLKIT 4/10-12</b> | <b>1212458</b>          |
| 6 mm <sup>2</sup> , sleeve length 12 mm                                                                                      | <b>CF 1000-10-TOOLKIT 6/12</b>    | <b>1212459</b>          |
| 10 mm <sup>2</sup> , sleeve length 12 mm                                                                                     | <b>CF 1000-10-TOOLKIT 10/12</b>   | <b>1212460</b>          |
| <b>Replacement knife</b> , V-form, for CF 1000-1,5, 0.25 ... 2.5 mm <sup>2</sup>                                             | <b>CF 1000 EM</b>                 | <b>1205215</b>          |
| <b>Protective cover</b>                                                                                                      | <b>CF 1000-COVER</b>              | <b>1208306</b>          |
| <b>Replacement knife</b> , V-form, for CF 1000-1,5 and CF 1000-10, 4 mm <sup>2</sup>                                         | <b>CF 1000 EM4,0</b>              | <b>1212663</b>          |
| <b>Replacement knife</b> , V-form, for CF 1000-10, 6 mm <sup>2</sup>                                                         | <b>CF 1000-10 EM6,0</b>           | <b>1212664</b>          |
| <b>Replacement knife</b> , V-form, for CF 1000-10, 10 mm <sup>2</sup>                                                        | <b>CF 1000-10 EM10,0</b>          | <b>1212665</b>          |
| <b>Extension components</b>                                                                                                  |                                   |                         |
| For processing AL...GB sleeves and conductors with thicker insulation                                                        |                                   |                         |
| Separating plate for AL...G, 0.5 ... 1.5 mm <sup>2</sup>                                                                     | <b>CF 1000 VEP1,5 GB</b>          | <b>1206901</b>          |
| Sleeve receiver for AL...GB 0.5 mm <sup>2</sup> sleeves                                                                      | <b>CF 1000 LOC0,5 GB</b>          | <b>1212907</b>          |
| Sleeve receiver for AL...GB 0.75 mm <sup>2</sup> sleeves                                                                     | <b>CF 1000 LOC0,75 GB</b>         | <b>1212908</b>          |
| Sleeve receiver for AL...GB 1.0 mm <sup>2</sup> sleeves                                                                      | <b>CF 1000 LOC1,0 GB</b>          | <b>1212909</b>          |
| Sleeve receiver for AL...GB 1.5 mm <sup>2</sup> sleeves                                                                      | <b>CF 1000 LOC1,5 GB</b>          | <b>1212910</b>          |
| <b>Replacement feeder bowl</b> for CF 1000-1,5                                                                               |                                   |                         |
| Sleeves 0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>                                                                        | <b>CF 1000 SORT0,34</b>           | <b>1206890</b>          |
| Sleeves 0.50 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                                                         | <b>CF 1000 SORT1,5</b>            | <b>1204326</b>          |
| Sleeves 2.5 mm <sup>2</sup> ... 4.0 mm <sup>2</sup>                                                                          | <b>CF 1000 SORT4,0</b>            | <b>1206887</b>          |

## Automatic devices

### CF 500 crimping device

The compact CF 500 crimping device is characterized by its high press capacity and the ease with which dies can be changed. The number of available dies allows for universal use. The crimping process is triggered by a foot pedal. As such, both hands are free to assemble the conductor using the contacts. The contact can be positioned precisely before the crimping procedure via an additional two-stage operating mode. This makes it easier to process crimp contacts and prevents incorrect crimping.



| Type                                                                                                                                                                                                | Order No.                     |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------|
| <b>Crimping device, 230 V version, with foot switch</b>                                                                                                                                             | <b>CF 500-230 V</b>           | <a href="#">1208348</a> |
| <b>Crimping device, 120 V version, with foot switch</b>                                                                                                                                             | <b>CF 500-120 V</b>           | <a href="#">1208351</a> |
| <b>Technical data</b>                                                                                                                                                                               |                               |                         |
| <b>Dimensions</b> , width/length/height                                                                                                                                                             | [mm]                          | 140 / 220 / 320         |
| <b>Weight</b>                                                                                                                                                                                       | [kg]                          | 10                      |
| <b>Power consumption</b>                                                                                                                                                                            | [VA]                          | 160                     |
| <b>Crimping pressure/working cycle</b>                                                                                                                                                              | [kN]/[s]                      | 10 / 1                  |
| <b>Accessories</b>                                                                                                                                                                                  |                               |                         |
| <b>CF 500 die for</b>                                                                                                                                                                               |                               |                         |
| Ferrules (A... and AI...), 0.25 ... 6 mm <sup>2</sup>                                                                                                                                               | <b>CF 500/DIE AI 6</b>        | <a href="#">1212238</a> |
| Ferrules (A... and AI...), 10, 16, and 25 mm <sup>2</sup>                                                                                                                                           | <b>CF 500/DIE AI 25</b>       | <a href="#">1212239</a> |
| Ferrules (A... and AI ...), 35 and 50 mm <sup>2</sup>                                                                                                                                               | <b>CF 500/DIE AI 50</b>       | <a href="#">1212261</a> |
| TWIN ferrules (AI-TWIN...), 2 x 4, 2 x 6, and 2 x 10 mm <sup>2</sup>                                                                                                                                | <b>CF 500/DIE AI-TWIN 10</b>  | <a href="#">1212262</a> |
| CRIMPFOX 16R TWIN                                                                                                                                                                                   | <b>CRIMPFOX 16R TWIN/DIE</b>  | <a href="#">1212846</a> |
| Insulated cable lugs (RCI... and FCI...), 0.14 ... 1.5 mm <sup>2</sup>                                                                                                                              | <b>CF 500/DIE RCI 1,5</b>     | <a href="#">1212263</a> |
| Insulated cable lugs (RCI... and FCI...), 0.5 ... 6 mm <sup>2</sup>                                                                                                                                 | <b>CF 500/DIE RCI 6</b>       | <a href="#">1212240</a> |
| Uninsulated cable lugs (RC..., FC..., 0.5 ... 10 mm <sup>2</sup>                                                                                                                                    | <b>CF 500/DIE RC 10</b>       | <a href="#">1212244</a> |
| Uninsulated cable lugs (RC..., FC..., 16 mm <sup>2</sup>                                                                                                                                            | <b>CF 500/DIE RC 16</b>       | <a href="#">1212257</a> |
| Uninsulated slip-on sleeves and slip-on blade connectors (SCF... and SCM...), 0.1 ... 1.5 mm <sup>2</sup>                                                                                           | <b>CF 500/DIE SC 1,5</b>      | <a href="#">1212241</a> |
| Uninsulated slip-on sleeves and slip-on blade connectors (SCF... and SCM...), 0.5 ... 6 mm <sup>2</sup>                                                                                             | <b>CF 500/DIE SC 6</b>        | <a href="#">1212242</a> |
| Turned contacts with pin diameters of 2.5 and 4.0 mm (CK 2,5 ... and CK 4,0), 0.5 ... 4 mm <sup>2</sup>                                                                                             | <b>CF 500/DIE TC 4</b>        | <a href="#">1212237</a> |
| Turned contacts (CK 4,0), 6 ... 10 mm <sup>2</sup>                                                                                                                                                  | <b>CF 500/DIE TC 10</b>       | <a href="#">1212260</a> |
| Assembling FBS... plug-in bridges                                                                                                                                                                   | <b>CF 500/DIE FBS</b>         | <a href="#">1212461</a> |
| Insulated cable lugs (C-RCI..., C-FCI...), asymmetrical crimping shape 0.5 ... 6 mm <sup>2</sup>                                                                                                    | <b>CF 500/DIE RCI 6-1</b>     | <a href="#">1212691</a> |
| Solar contacts, model MC 4, 2.5 ... 6 mm <sup>2</sup>                                                                                                                                               | <b>CF 500/DIE SR 6-2</b>      | <a href="#">1212692</a> |
| Tubular cable lugs 0.34 ... 4 mm <sup>2</sup>                                                                                                                                                       | <b>CF 500/DIE RCT 4</b>       | <a href="#">1212243</a> |
| Tubular cable lugs 4 ... 10 mm <sup>2</sup> , 4 mm <sup>2</sup> : outer Ø 5 mm, inner Ø 3 mm, 6 mm <sup>2</sup> : outer Ø 6.5 mm, inner Ø 3.5 mm, 10 mm <sup>2</sup> : outer Ø 7 mm, inner Ø 4.5 mm | <b>CF 500/DIE RCT 10-1</b>    | <a href="#">1212245</a> |
| Tubular cable lugs 4 ... 10 mm <sup>2</sup> , 4 mm <sup>2</sup> : outer Ø 5 mm, inner Ø 3 mm, 6 mm <sup>2</sup> : outer Ø 6.5 mm, inner Ø 3.8 mm, 10 mm <sup>2</sup> : outer Ø 6 mm, inner Ø 4.5 mm | <b>CF 500/DIE RCT 10-2</b>    | <a href="#">1212246</a> |
| Tubular cable lugs 4 ... 10 mm <sup>2</sup> , 4 mm <sup>2</sup> : outer Ø 5 mm, inner Ø 3 mm, 6 mm <sup>2</sup> : outer Ø 6 mm, inner Ø 4 mm, 10 mm <sup>2</sup> : outer Ø 8 mm, inner Ø 5 mm       | <b>CF 500/DIE RCT 10-3</b>    | <a href="#">1212256</a> |
| <b>CF 500 locator (positioning tool) for</b>                                                                                                                                                        |                               |                         |
| Slip-on sleeves (SCF...) W: 2.8 mm, L: 5 mm                                                                                                                                                         | <b>CF 500/LOC SCF 2,8/1,5</b> | <a href="#">1212249</a> |
| Slip-on sleeves (SCF...) W: 4.8 mm                                                                                                                                                                  | <b>CF 500/LOC SCF 4,8/2,5</b> | <a href="#">1212248</a> |
| Slip-on sleeves (SCF...) W: 0.5 ... 2.5 mm <sup>2</sup>                                                                                                                                             | <b>CF 500/LOC SCF 6,3/2,5</b> | <a href="#">1212264</a> |
| Slip-on sleeves (SCF...) W: 6.3 mm                                                                                                                                                                  | <b>CF 500/LOC SCF 6,3/6</b>   | <a href="#">1212247</a> |
| <b>CF 500 protective cover for</b>                                                                                                                                                                  |                               |                         |
| Ferrules up to 6 mm <sup>2</sup> (AI 6...)                                                                                                                                                          | <b>CF 500/COV AI 6</b>        | <a href="#">1212254</a> |
| TWIN ferrules (AI-TWIN...)                                                                                                                                                                          | <b>CF 500/COV AI-TWIN</b>     | <a href="#">1212266</a> |
| Insulated cable lugs (RCI...)                                                                                                                                                                       | <b>CF 500/COV RCI</b>         | <a href="#">1212255</a> |
| Tubular cable lugs 0.5 ... 10 mm <sup>2</sup>                                                                                                                                                       | <b>CF 500/COV RC 10</b>       | <a href="#">1212252</a> |
| Tubular cable lugs 0.34 ... 2.5 mm <sup>2</sup>                                                                                                                                                     | <b>CF 500/COV RCT 2,5</b>     | <a href="#">1212253</a> |
| Slip-on sleeves and slip-on blade connectors SC 1,5... and SC 6...                                                                                                                                  | <b>CF 500/COV SC</b>          | <a href="#">1212251</a> |
| For FBS plug-in bridges                                                                                                                                                                             | <b>CF 500/COV FBS</b>         | <a href="#">1212462</a> |
| Without recess (for all dies without classification)                                                                                                                                                | <b>CF 500/COV</b>             | <a href="#">1212250</a> |

## Crimping tools properties

|                                         |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                         |  |  |  |  |  |  |
| Cross section range mm²<br>AWG          | 0.14 ... 10<br>26 ... 8                                                           | 0.14 ... 6<br>26 ... 10                                                           | 0.25 ... 50<br>24 ... 1                                                           | 0.14 ... 6<br>26 ... 10                                                             | 0.25 ... 6<br>24 ... 10                                                             | 0.1 ... 50<br>26 ... 1                                                              |
| Connector variance                      | +++                                                                               | +++++                                                                             | +++++                                                                             | +++++                                                                               | +++                                                                                 | +++++                                                                               |
| Opening width handle                    | +++++                                                                             | ++++                                                                              | +++                                                                               | +++                                                                                 | +++                                                                                 | ++                                                                                  |
| Opening width die                       | +++++                                                                             | ++++                                                                              | +++++                                                                             | +++++                                                                               | +++++                                                                               | +++++                                                                               |
| Tool size                               | +++++                                                                             | +++++                                                                             | +++                                                                               | ++++                                                                                | ++++                                                                                | +++                                                                                 |
| Actuation force                         | +++++                                                                             | ++++                                                                              | +++++                                                                             | ++++                                                                                | ++++                                                                                | +++                                                                                 |
| Ergonomics                              | +++++                                                                             | ++++                                                                              | +++++                                                                             | +++++                                                                               | +++                                                                                 | +++                                                                                 |
| Weight ratio                            | +++++                                                                             | ++++                                                                              | +++++                                                                             | ++++                                                                                | ++++                                                                                | ++++                                                                                |
| Precision                               | +++                                                                               | +++                                                                               | +++                                                                               | +++                                                                                 | +++                                                                                 | +++                                                                                 |
| Unique serial number                    | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 | No                                                                                  |
| Pressure lock/unlockable without tools  | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                             | Yes/yes                                                                             | Yes/yes                                                                             |
| Positioning tool                        | (*2)                                                                              | (*1)                                                                              | (*1)                                                                              | (*1)                                                                                | (*2)                                                                                | (*2)                                                                                |
| Head cover (impact protection)          | Yes                                                                               | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | Yes                                                                                 |
| Fastening eye fall protection           | No                                                                                | No                                                                                | Yes                                                                               | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Slide stop (pressure pad)               | Yes                                                                               | No                                                                                | Yes                                                                               | Yes                                                                                 | No                                                                                  | No                                                                                  |
| Material upper/lower handle             | Soft/hard                                                                         | Soft/hard                                                                         | Soft/hard                                                                         | Soft/hard                                                                           | Soft/soft                                                                           | Hard/hard                                                                           |
| Modular die changing                    | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | Yes                                                                                 |
| Wear monitoring                         | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  |
| Automatic cross section setting         | Yes                                                                               | (*1)                                                                              | No                                                                                | No                                                                                  | Yes                                                                                 | No                                                                                  |
| Taped products processed                | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  |
| Crimping pressure adjustable            | (*2)                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 | No                                                                                  |
| One-hand operation                      | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Two-hand operation                      | No                                                                                | No                                                                                | Yes                                                                               | No                                                                                  | No                                                                                  | Yes                                                                                 |
| Ratchet mechanism                       | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  |
| Suitable for right-handers/left-handers | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                             | Yes/yes                                                                             | Yes/yes                                                                             |
| Insertion direction connectors          | Side                                                                              | Side and frontal <sup>(*)</sup>                                                   | Side                                                                              | Side and frontal <sup>(*)</sup>                                                     | Side and frontal <sup>(*)</sup>                                                     | Side                                                                                |
| Crimping principle                      | Centering                                                                         | Default                                                                           | Default                                                                           | Default                                                                             | In parallel                                                                         | In parallel                                                                         |

<sup>(\*)</sup> = depending on the die    <sup>(\*)</sup> = technically not necessary

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| 0.08 ... 2.5<br>28 ... 13                                                         | 4 ... 16<br>11 ... 5                                                              | 10 ... 70<br>7 ... 2/0                                                            | 10 ... 50<br>8 ... 1                                                              | 6 ... 120<br>10 ... 4/0                                                           | 2.5 ... 6<br>14 ... 10                                                             | RJ...                                                                               | 0.5 ... 2.5<br>20 ... 14                                                            |
| ++                                                                                | +                                                                                 | +                                                                                 | ++++                                                                              | ++++                                                                              | ++                                                                                 | ++                                                                                  | ++                                                                                  |
| ++                                                                                | +                                                                                 | +                                                                                 | ++                                                                                | +                                                                                 | +                                                                                  | ++++                                                                                | +++                                                                                 |
| ++++                                                                              | +++++                                                                             | ++++                                                                              | ++++                                                                              | ++++                                                                              | +++++                                                                              | +++++                                                                               | +++                                                                                 |
| +++++                                                                             | ++                                                                                | +                                                                                 | ++                                                                                | +                                                                                 | ++                                                                                 | ++++                                                                                | ++++                                                                                |
| +++++                                                                             | +++                                                                               | +++                                                                               | ++++                                                                              | ++++                                                                              | +++                                                                                | ++++                                                                                | ++++                                                                                |
| ++++                                                                              | +++                                                                               | ++                                                                                | +++                                                                               | ++                                                                                | +++                                                                                | ++++                                                                                | ++++                                                                                |
| +++                                                                               | ++                                                                                | +                                                                                 | +                                                                                 | +                                                                                 | ++                                                                                 | ++++                                                                                | +++++                                                                               |
| +++++                                                                             | +++                                                                               | +++                                                                               | +++                                                                               | +++                                                                               | +++++                                                                              | +++++                                                                               | +++                                                                                 |
| Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                 | No                                                                                  |
| Yes/no                                                                            | Yes/yes                                                                           | Yes/no                                                                            | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                            | Yes/yes                                                                             | Yes/no                                                                              |
| Yes                                                                               | (*2                                                                               | (*2                                                                               | (*2                                                                               | (*2                                                                               | Yes                                                                                | (*2                                                                                 | Yes                                                                                 |
| No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  |
| No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  |
| No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  |
| Soft/soft                                                                         | Soft/soft                                                                         | Hard/hard                                                                         | Hard/hard                                                                         | Hard/hard                                                                         | Soft/soft                                                                          | Hard/hard                                                                           | Hard/hard                                                                           |
| No                                                                                | No                                                                                | No                                                                                | Yes                                                                               | Yes                                                                               | No                                                                                 | Yes                                                                                 | No                                                                                  |
| Yes                                                                               | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  |
| No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  |
| No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | Yes                                                                                 |
| Yes                                                                               | No                                                                                | No                                                                                | No                                                                                | No                                                                                | Yes                                                                                | Yes                                                                                 | No                                                                                  |
| Yes                                                                               | No                                                                                | No                                                                                | Yes                                                                               | No                                                                                | No                                                                                 | Yes                                                                                 | Yes                                                                                 |
| No                                                                                | Yes                                                                               | Yes                                                                               | No                                                                                | Yes                                                                               | Yes                                                                                | No                                                                                  | No                                                                                  |
| No                                                                                | No                                                                                | No                                                                                | Yes                                                                               | Yes                                                                               | No                                                                                 | No                                                                                  | No                                                                                  |
| Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                           | Yes/yes                                                                            | Yes/yes                                                                             | Yes/yes                                                                             |
| Side                                                                              | Side                                                                              | Side                                                                              | Side                                                                              | Side                                                                              | Side                                                                               | Side                                                                                | Side                                                                                |
| Centering                                                                         | Default                                                                           | In parallel                                                                       | In parallel                                                                       | In parallel                                                                       | In parallel                                                                        | In parallel                                                                         | In parallel                                                                         |

## Field of application crimping tools/ferrules

| Ferrules without insulating collar |               |                                       |                       | Designation           | CRIMFOX CENTRUS 6S<br>1213144                                                     | CRIMFOX CENTRUS 10S<br>1213154                                                     | CRIMFOX CENTRUS 6H<br>1213146                                                       | CRIMFOX CENTRUS 10H<br>1213156                                                      | CRIMFOX 2,5-M<br>1212719                                                            | CRIMFOX 6-M<br>1212720                                                              |
|------------------------------------|---------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                    |               |                                       |                       | Crimping shape        |  |  |  |  |  |  |
|                                    | Cross section | Stripping length<br>(reference value) | Designation           | Order No.             |  |  |  |  |                                                                                     |                                                                                     |
|                                    | 0.25 mm²      | 5                                     | A 0,25-5              | 3202465 <sup>2)</sup> | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 7                                     | A 0,25-7              | 3202478 <sup>2)</sup> | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 0.34 mm²      | 7                                     | A 0,34-7              | 3009202 <sup>2)</sup> | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 0.5 mm²       | 6                                     | A 0,5-6               | 3200218               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 8                                     | A 0,5-8               | 3202481               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 10                                    | A 0,5-10              | 3202494               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 0.75 mm²      | 7                                     | A 0,75-6              | 3200221               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 8                                     | A 0,75-8              | 3202504               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 10                                    | A 0,75-10             | 3200234               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 1.00 mm²      | 6                                     | A 1-6                 | 3200247               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 8                                     | A 1-8                 | 3202517               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 10                                    | A 1-10                | 3200250               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 1.50 mm²      | 7                                     | A 1,5-7               | 3200263               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 10                                    | A 1,5-10              | 3200276               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 12                                    | A 1,5-12              | 3202588               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 15                                    | A 1,5-15              | 3202591               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 18                                    | A 1,5-18              | 3202601               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 2.5 mm²       | 7                                     | A 2,5-7               | 3200289               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 12                                    | A 2,5-12              | 3200292               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    |               | 18                                    | A 2,5-18              | 3202821               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                    | 4 mm²         | 9                                     | A 4-9                 | 3200302               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |
|                                    |               | 12                                    | A 4-12                | 3200315               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |
|                                    |               | 18                                    | A 4-18                | 3202834               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |
|                                    | 6 mm²         | 10                                    | A 6-10                | 3202520               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |
|                                    |               | 12                                    | A 6-12                | 3200328               | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |
|                                    | 10 mm²        | 12                                    | A 10-12               | 3200331               |                                                                                   | ●                                                                                  |                                                                                     | ●                                                                                   |                                                                                     |                                                                                     |
|                                    |               | 18                                    | A 10-18               | 3200344               |                                                                                   | ●                                                                                  |                                                                                     | ●                                                                                   |                                                                                     |                                                                                     |
|                                    | 16 mm²        | 12                                    | A 16-12               | 3200425               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    | 25 mm²        | 12                                    | A 25-12               | 3200357               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    |               | 15                                    | A 25-15               | 3200360               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    |               | 18                                    | A 25-18               | 3200373               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    |               | 20                                    | A 25-20 <sup>2)</sup> | 3200386               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    |               | 40                                    | A 25-40 <sup>2)</sup> | 3241238               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    | 35 mm²        | 18                                    | A 35-18               | 3200399               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    |               | 20                                    | A 35-20               | 3200409               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    |               | 40                                    | A 35-40 <sup>2)</sup> | 3241239               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    | 50 mm²        | 40                                    | A 50-40 <sup>2)</sup> | 3241240               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    | 70 mm²        | 40                                    | A 70-40 <sup>2)</sup> | 3241241               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                    | 95 mm²        | 40                                    | A 95-40 <sup>2)</sup> | 3241242               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

<sup>2)</sup> These ferrules are not UL certified.

[illegible]

## Field of application crimping tools/ferrules

|                                 |                      |                                       |                                 |           | Designation    | CRIMFOX CENTRUS 6S<br>1213144                                                       | CRIMFOX CENTRUS 10S<br>1213154                                                      | CRIMFOX CENTRUS 6H<br>1213146                                                       | CRIMFOX CENTRUS 10H<br>1213156                                                      | CRIMFOX 2.5-M<br>1212719                                                            |
|---------------------------------|----------------------|---------------------------------------|---------------------------------|-----------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                 |                      |                                       |                                 |           | Crimping shape |  |  |  |  |  |
|                                 | Cross section        | Stripping length<br>(reference value) | Designation                     | Order No. | Color          |  |  |  |  |                                                                                     |
| Ferrules with insulating collar | 0.14 mm <sup>2</sup> | 10                                    | AI 0,14-8 GY-1000 <sup>2)</sup> | 3203011   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 0.25 mm <sup>2</sup> | 8                                     | AI 0,25-6 BU <sup>2)</sup>      | 3203040   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 8                                     | AI 0,25-6 YE <sup>2)</sup>      | 3203024   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 10                                    | AI 0,25-8 BU <sup>2)</sup>      | 3201364   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 10                                    | AI 0,25-8 YE <sup>2)</sup>      | 3203037   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 12                                    | AI 0,25-10 YE <sup>2)</sup>     | 3241128   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 14                                    | AI 0,25-12 BU <sup>2)</sup>     | 3200632   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 | 0.34 mm <sup>2</sup> | 8                                     | AI 0,34-6 TQ <sup>2)</sup>      | 3203053   | Turquoise      | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 10                                    | AI 0,34-8 TQ <sup>2)</sup>      | 3203066   | Turquoise      | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 12                                    | AI 0,34-10 TQ <sup>2)</sup>     | 3241129   | Turquoise      | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 14                                    | AI 0,34-12 TQ <sup>2)</sup>     | 3200645   | Turquoise      | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 | 0.5 mm <sup>2</sup>  | 9                                     | AI 0,5-6 OG                     | 3201301   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 9                                     | AI 0,5-6 WH                     | 3200687   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,5-8 OG                     | 3201123   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,5-8 OG-1000                | 3202902   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,5-8 WH                     | 3200014   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,5-8 WH-1000                | 3200881   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,5-10 OG                    | 3241126   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,5-10 WH                    | 3201275   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 15                                    | AI 0,5-12 WH                    | 3200506   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,5-8 WH-GB                  | 1208966   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,5-10 WH-GB                 | 3203150   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI-WM 0,5-8 WH <sup>2)</sup>    | 3240542   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 | 0.75 mm <sup>2</sup> | 9                                     | AI 0,75-6 GY                    | 3200690   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 9                                     | AI 0,75-6 WH                    | 3201314   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,75-8 BU                    | 3200027   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,75-8 GY                    | 3200519   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,75-8 GY-1000               | 3200894   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,75-8 WH                    | 3201110   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,75-10 GY                   | 3201288   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,75-10 GY-1000              | 3203118   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 15                                    | AI 0,75-12 GY                   | 3200849   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 0,75-8 GY-GB                 | 1208979   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,75-10 GY-GB-1000           | 3203299   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 0,75-10 GY-GB                | 3203163   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI-WM 0,75-8 GY <sup>2)</sup>   | 3240543   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 | 1 mm <sup>2</sup>    | 9                                     | AI 1-6 RD                       | 3200742   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 9                                     | AI 1-6 YE                       | 3201327   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 1-8 RD                       | 3200030   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 1-8 RD-1000                  | 3200904   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 1-8 YE                       | 3201097   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 1-10 RD                      | 3200182   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI 1-8 RD-GB                    | 1208982   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 13                                    | AI 1-10 RD-GB-1000              | 1208869   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 15                                    | AI 1-12 RD                      | 3200674   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                      | 11                                    | AI-WM 1-8 RD <sup>2)</sup>      | 3240544   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |

<sup>2)</sup> These ferrules are not UL certified.

[illegible]

## Field of application crimping tools/ferrules

|                                 |                     |                                       |                              |           | Designation    | CRIMFOX CENTRUS 6S<br>1213144                                                       | CRIMFOX CENTRUS 10S<br>1213154                                                      | CRIMFOX CENTRUS 6H<br>1213146                                                       | CRIMFOX CENTRUS 10H<br>1213156                                                      | CRIMFOX 2.5-M<br>1212719                                                            |
|---------------------------------|---------------------|---------------------------------------|------------------------------|-----------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                 |                     |                                       |                              |           | Crimping shape |  |  |  |  |  |
| Ferrules with insulating collar | Cross section       | Stripping length<br>(reference value) | Designation                  | Order No. | Color          |  |  |  |  |                                                                                     |
|                                 |                     |                                       |                              |           |                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 1.5 mm <sup>2</sup> | 9                                     | AI 1,5-6 BK                  | 3200755   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 1,5-8 BK                  | 3200043   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 1,5-8 BK-1000             | 3200917   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 1,5-8 RD                  | 3201136   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 1,5-8 RD-1000             | 3202928   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 13                                    | AI 1,5-10 BK                 | 3200195   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 13                                    | AI 1,5-10 BK-1000            | 3203134   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 15                                    | AI 1,5-12 BK                 | 3201482   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 21                                    | AI 1,5-18 BK                 | 3200056   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 21                                    | AI 1,5-18 RD                 | 3241125   | Red            | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 1,5-8 BK-GB-1000          | 3202892   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 13                                    | AI 1,5-10 BK-GB-1000         | 1208872   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI-WM 1,5-8 WH <sup>2)</sup> | 3240545   | White          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 15                                    | AI-XL 1,5-8 BK               | 3201916   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 13                                    | AI-XL 1,5-10 BK              | 3201974   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 | 2.5 mm <sup>2</sup> | 11                                    | AI 2,5-8 BU                  | 3200522   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 2,5-8 BU-1000             | 3200920   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI 2,5-8 GY                  | 3200069   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 13                                    | AI 2,5-10 BU                 | 3202533   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 13                                    | AI 2,5-10 BU-1000            | 3203147   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 15                                    | AI 2,5-12 BU                 | 3200962   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 15                                    | AI 2,5-12 GY                 | 3200205   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 21                                    | AI 2,5-18 BU                 | 3200580   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 21                                    | AI 2,5-18 GY                 | 3200072   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 |                     | 11                                    | AI-WM 2,5-8 BU <sup>2)</sup> | 3240572   | Blue           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                                 | 4 mm <sup>2</sup>   | 13                                    | AI 4-10 GY                   | 3200535   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 13                                    | AI 4-10 OG                   | 3200085   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 4-12 GY                   | 3200959   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 4-12 OG                   | 3200438   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 21                                    | AI 4-18 GY                   | 3200593   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 21                                    | AI 4-18 OG                   | 3200098   | Orange         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 6 mm <sup>2</sup>   | 16                                    | AI-XL 4-10 GY                | 3201932   | Gray           | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 6-12 BK                   | 3201107   | Black          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 6-12 GN                   | 3200108   | Green          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 6-12 YE                   | 3200548   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 21                                    | AI 6-18 GN                   | 3200111   | Green          | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 21                                    | AI 6-18 YE                   | 3200603   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 10 mm <sup>2</sup>  | 15                                    | AI 6-12 TR <sup>2)</sup>     | 1200129   | Transparent    | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 18                                    | AI-XL 6-12 YE                | 3201945   | Yellow         | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 10-12 BN                  | 3200124   | Brown          |                                                                                     | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 10-12 IV                  | 3201068   | Ivory          |                                                                                     | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |
|                                 |                     | 15                                    | AI 10-12 RD                  | 3200551   | Red            |                                                                                     | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |

<sup>2)</sup> These ferrules are not UL certified



## Field of application crimping tools/ferrules

|                                 |                          |                  |                                     |           |             | Designation                                                                       | CRIMFOX CENTRUS 6S<br>1213144                                                       | CRIMFOX CENTRUS 10S<br>1213154                                                      | CRIMFOX CENTRUS 6H<br>1213146                                                       | CRIMFOX CENTRUS 10H<br>1213156                                                      | CRIMFOX 2,5-M<br>1212719                                                            | CRIMFOX 6-M<br>1212720                                                              |
|---------------------------------|--------------------------|------------------|-------------------------------------|-----------|-------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                 |                          |                  |                                     |           |             | Crimping shape                                                                    |    |  |  |  |  |  |
|                                 | Cross section            | Stripping length | Designation                         | Order No. | Colors      |  |  |  |  |                                                                                     |                                                                                     |                                                                                     |
| Ferrules with insulating collar | 10 mm <sup>2</sup>       | 15               | AI 10-12 TR <sup>2)</sup>           | 1200128   | Transparent |                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 21               | AI 10-18 BN                         | 3200137   | Brown       |                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 21               | AI 10-18 RD                         | 3200616   | Red         |                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 18               | AI-XL 10-12 RD                      | 3201958   | Red         |                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 | 16 mm <sup>2</sup>       | 16               | AI 16-12 BU                         | 3200564   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 16               | AI 16-12 GN                         | 3201152   | Green       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 16               | AI 16-12 IV <sup>2)</sup>           | 3201181   | Ivory       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 16               | AI 16-12 WH                         | 3200140   | White       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 22               | AI 16-18 BU                         | 3200629   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 22               | AI 16-18 GN                         | 3201330   | Green       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 22               | AI 16-18 WH                         | 3200153   | White       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 18               | AI-XL 16-12 BU <sup>2)</sup>        | 3201961   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 25 mm <sup>2</sup>       | 20               | AI 25-16 BK                         | 3200412   | Black       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 20               | AI 25-16 BN                         | 3201084   | Brown       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 20               | AI 25-16 YE                         | 3200577   | Yellow      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 22               | AI 25-18 YE                         | 3201505   | Yellow      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 26               | AI 25-22 BK                         | 3200739   | Black       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 26               | AI 25-22 YE                         | 3200700   | Yellow      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 35 mm <sup>2</sup>       | 20               | AI 35-16 BE                         | 3201071   | Beige       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 20               | AI 35-16 RD                         | 3200441   | Red         |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 22               | AI 35-18 RD                         | 3201495   | Red         |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 29               | AI 35-25 RD                         | 3200713   | Red         |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 50 mm <sup>2</sup>       | 25               | AI 50-20 BU                         | 3200454   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 25               | AI 50-20 OL                         | 3201178   | Olive       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 30               | AI 50-25 BU                         | 3200726   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 30               | AI 50-25 BK <sup>2)</sup>           | 3240678   | Black       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 70 mm <sup>2</sup>       | 25               | AI 70-20 YE <sup>2)</sup>           | 3201848   | Yellow      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 95 mm <sup>2</sup>       | 30               | AI 95-25 RD <sup>2)</sup>           | 3201853   | Red         |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 120 mm <sup>2</sup>      | 32               | AI120-27 BU <sup>2)</sup>           | 3201822   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| TWIN ferrules                   | 2 x 0.5 mm <sup>2</sup>  | 11               | AI-TWIN 2 x 0,5-8 WH                | 3200933   | White       | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 13               | AI-TWIN 2 x 0,5-10 WH               | 3203309   | White       | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 2 x 0.75 mm <sup>2</sup> | 12               | AI-TWIN 2 x 0,75-8 GY               | 3200807   | Gray        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 12               | AI-TWIN 2 x 0,75-8 BU               | 3240668   | Blue        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 2 x 1 mm <sup>2</sup>    | 14               | AI-TWIN 2 x 0,75-10 GY              | 3200975   | Gray        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 12               | AI-TWIN 2 x 1-8 RD                  | 3200810   | Red         | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 2 x 1.5 mm <sup>2</sup>  | 14               | AI-TWIN 2 x 1-10 RD                 | 3200988   | Red         | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 16               | AI-TWIN 2 x 1-12 RD                 | 3240679   | Red         | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 12               | AI-TWIN 2 x 1,5-8 BK                | 3200823   | Black       | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 14               | AI-TWIN 2 x 1,5-10 BK <sup>2)</sup> | 3201534   | Black       | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 2 x 2.5 mm <sup>2</sup>  | 16               | AI-TWIN 2 x 1,5-12 BK               | 3200991   | Black       | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 14               | AI-TWIN 2 x 2,5-10 GY               | 3240669   | Gray        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 14               | AI-TWIN 2 x 2,5-10 BU               | 3200836   | Blue        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 |                          | 17               | AI-TWIN 2 x 2,5-13 BU               | 3200878   | Blue        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                 | 2 x 4 mm <sup>2</sup>    | 17               | AI-TWIN 2 x 4-12 GY                 | 3201000   | Gray        | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 | 2 x 6 mm <sup>2</sup>    | 19               | AI-TWIN 2 x 6-14 YE                 | 3201013   | Yellow      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 2 x 10 mm <sup>2</sup>   | 19               | AI-TWIN 2 x 10-14 RD                | 3201026   | Red         |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 2 x 16 mm <sup>2</sup>   | 21               | AI-TWIN 2 x 16-16 BU                | 3202847   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Ferrule strips                  | 0.5 mm <sup>2</sup>      | 11               | AI 0,5-8 WH S1                      | 1200104   | White       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 11               | AI 0,75-8 GY S1                     | 1200105   | Gray        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 0.75 mm <sup>2</sup>     | 11               | AI 0,75-8 BU S1                     | 1200163   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 |                          | 11               | AI 1,0-8 RD S1                      | 1200106   | Red         |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 1.0 mm <sup>2</sup>      | 11               | AI 1,5-8 BK S1                      | 1200107   | Black       |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 2.5 mm <sup>2</sup>      | 11               | AI 2,5-8 BU S1                      | 1200108   | Blue        |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | 11                       | AI 2,5-8 GY S1   | 1200164                             | Gray      |             |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

<sup>2)</sup> These ferrules are not UL certified

[illegible]

## Field of application crimping tools/connectors

|                                |                           |                                       |                   |           | Designation    | CRIMPFOX-RC 2,5<br>1212063                                                        | CRIMPFOX-RC 2,5-M<br>1212723                                                        | CRIMPFOX-RC 6<br>1212710                                                            | CRIMPFOX-RC 6-M<br>1212724                                                          | CRIMPFOX-RC 10<br>1212061                                                           | CRIMPFOX-RC 25<br>1212065                                                           |
|--------------------------------|---------------------------|---------------------------------------|-------------------|-----------|----------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                |                           |                                       |                   |           | Crimping shape |  |  |  |  |  |  |
|                                | Cross section             | Stripping length<br>(reference value) | Designation       | Order No. |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Ring cable lugs, non-insulated | 0.5 ... 1 mm <sup>2</sup> | 7                                     | C-RC 1/M2,5 DIN   | 3240069   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 7                                     | C-RC 1/M3 DIN     | 3240070   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 7                                     | C-RC 1/M3,5 DIN   | 3240071   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 7                                     | C-RC 1/M4 DIN     | 3240072   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 7                                     | C-RC 1/M5 DIN     | 3240073   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 7                                     | C-RC 1/M6 DIN     | 3240074   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                | 1 ... 2.5 mm <sup>2</sup> | 7                                     | C-RC 1/M8 DIN     | 3240075   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 8                                     | C-RC 2,5/M10 DIN  | 3240082   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 8                                     | C-RC 2,5/M3 DIN   | 3240076   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 8                                     | C-RC 2,5/M3,5 DIN | 3240077   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 8                                     | C-RC 2,5/M4 DIN   | 3240078   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 8                                     | C-RC 2,5/M5 DIN   | 3240079   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                | 2.6 ... 6 mm <sup>2</sup> | 8                                     | C-RC 2,5/M6 DIN   | 3240080   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 8                                     | C-RC 2,5/M8 DIN   | 3240081   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 9                                     | C-RC 6/M10 DIN    | 3240087   |                |                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |
|                                |                           | 9                                     | C-RC 6/M12 DIN    | 3240088   |                |                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |
|                                |                           | 9                                     | C-RC 6/M4 DIN     | 3240083   |                |                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |
|                                |                           | 9                                     | C-RC 6/M5 DIN     | 3240084   |                |                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |
|                                | - 10 mm <sup>2</sup>      | 9                                     | C-RC 6/M6 DIN     | 3240085   |                |                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |
|                                |                           | 9                                     | C-RC 6/M8 DIN     | 3240086   |                |                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |
|                                |                           | 11                                    | C-RC 10/M10 DIN   | 3240092   |                |                                                                                   |                                                                                     |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                |                           | 11                                    | C-RC 10/M12 DIN   | 3240093   |                |                                                                                   |                                                                                     |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                |                           | 11                                    | C-RC 10/M5 DIN    | 3240089   |                |                                                                                   |                                                                                     |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                | - 16 mm <sup>2</sup>      | 11                                    | C-RC 10/M6 DIN    | 3240090   |                |                                                                                   |                                                                                     |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                |                           | 11                                    | C-RC 10/M8 DIN    | 3240091   |                |                                                                                   |                                                                                     |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     |
|                                |                           | 13                                    | C-RC 16/M10 DIN   | 3240097   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 13                                    | C-RC 16/M12 DIN   | 3240098   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 13                                    | C-RC 16/M5 DIN    | 3240094   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                | - 25 mm <sup>2</sup>      | 13                                    | C-RC 16/M6 DIN    | 3240095   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 13                                    | C-RC 16/M8 DIN    | 3240096   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 14                                    | C-RC 25/M10 DIN   | 3240102   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 14                                    | C-RC 25/M12 DIN   | 3240103   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 14                                    | C-RC 25/M16 DIN   | 3240104   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                | - 35 mm <sup>2</sup>      | 14                                    | C-RC 25/M5 DIN    | 3240099   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 14                                    | C-RC 25/M6 DIN    | 3240100   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 14                                    | C-RC 25/M8 DIN    | 3240101   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ●                                                                                   |
|                                |                           | 15                                    | C-RC 35/M10 DIN   | 3240107   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 15                                    | C-RC 35/M12 DIN   | 3240108   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                | - 50 mm <sup>2</sup>      | 15                                    | C-RC 35/M16 DIN   | 3240109   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 15                                    | C-RC 35/M6 DIN    | 3240105   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 15                                    | C-RC 35/M8 DIN    | 3240106   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 19                                    | C-RC 50/M10 DIN   | 3240112   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 19                                    | C-RC 50/M12 DIN   | 3240113   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                | - 70 mm <sup>2</sup>      | 19                                    | C-RC 50/M16 DIN   | 3240114   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 19                                    | C-RC 50/M6 DIN    | 3240110   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 19                                    | C-RC 50/M8 DIN    | 3240111   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 21                                    | C-RC 70/M10 DIN   | 3240117   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 21                                    | C-RC 70/M12 DIN   | 3240118   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 21                                    | C-RC 70/M16 DIN   | 3240119   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 21                                    | C-RC 70/M6 DIN    | 3240115   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                           | 21                                    | C-RC 70/M8 DIN    | 3240116   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

| CRIMFOX-RCI 1<br>1212055                                                         | CRIMFOX-RCI<br>2,5-M<br>1212728                                                   | CRIMFOX-RCI 6<br>1212057                                                          | CRIMFOX-RCI 6-1<br>1212059                                                        | CRIMFOX-RCI 6-M<br>1212730                                                        | CRIMFOX-SC 1,5<br>1212048                                                         | CRIMFOX-SC 1,5-M<br>1212725                                                       | CRIMFOX-SC 6<br>1212050                                                            | CRIMFOX-M +<br>dies<br>1212072                                                       | CRIMFOX-C120 +<br>dies<br>1212318                                                    | CRIMFOX-C50 +<br>dies<br>1212340                                                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
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## Field of application crimping tools/connectors

|                                                      |                             |                  |                 |           | Designation    | CRIMPFOX-RC 2,5<br>1212063                                                        | CRIMPFOX-RC 2,5-M<br>1212723                                                        | CRIMPFOX-RC 6<br>1212710                                                            | CRIMPFOX-RC 6-M<br>1212724                                                          | CRIMPFOX-RC 10<br>1212061                                                           | CRIMPFOX-RC 25<br>1212065                                                           |
|------------------------------------------------------|-----------------------------|------------------|-----------------|-----------|----------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                      |                             |                  |                 |           | Crimping shape |  |  |  |  |  |  |
|                                                      | Cross section               | Stripping length | Designation     | Order No. |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Ring cable lugs insulated                            | 0.5 ... 1.5 mm <sup>2</sup> | 7                | C-RCI 1,5/M3    | 3240016   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCI 1,5/M3,5  | 3240017   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCI 1,5/M4    | 3240018   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCI 1,5/M5    | 3240019   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCI 1,5/M6    | 3240020   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 1.5 ... 2.5 mm <sup>2</sup> | 8                | C-RCI 2,5/M3    | 3240021   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCI 2,5/M3,5  | 3240022   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCI 2,5/M4    | 3240023   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCI 2,5/M5    | 3240024   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCI 2,5/M6    | 3240025   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 4 ... 6 mm <sup>2</sup>     | 9                | C-RCI 6/M10     | 3240031   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCI 6/M4      | 3240027   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCI 6/M5      | 3240028   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCI 6/M6      | 3240029   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCI 6/M8      | 3240030   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      | - 10 mm <sup>2</sup>        | 11               | C-RCI 10/M10    | 3240222   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 11               | C-RCI 10/M5     | 3240219   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 11               | C-RCI 10/M6     | 3240220   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 11               | C-RCI 10/M8     | 3240221   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 11               | C-RCI 10/M10    | 3240222   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Ring cable lugs insulated with additional crimp zone | 0.5 ... 1.5 mm <sup>2</sup> | 7                | C-RCEI 1,5/M3   | 3241201   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCEI 1,5/M3,5 | 3241202   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCEI 1,5/M4   | 3241203   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCEI 1,5/M5   | 3241204   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-RCEI 1,5/M6   | 3241205   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 1.5 ... 2.5 mm <sup>2</sup> | 8                | C-RCEI 2,5/M3,5 | 3241206   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCEI 2,5/M4   | 3241207   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCEI 2,5/M5   | 3241208   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCEI 2,5/M6   | 3241209   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-RCEI 2,5/M8   | 3241210   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 4 ... 6 mm <sup>2</sup>     | 9                | C-RCEI 6/M10    | 3241214   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCEI 6/M5     | 3241211   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCEI 6/M6     | 3241212   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCEI 6/M8     | 3241213   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-RCEI 6/M10    | 3241214   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Fork-type cable lugs non-insulated                   | 0.5 ... 1.5 mm <sup>2</sup> | 7                | C-FC 1,5/M3     | 3240137   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FC 1,5/M3,5   | 3240138   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FC 1,5/M4     | 3240139   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FC 1,5/M5     | 3240140   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FC 1,5/M6     | 3240141   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 1.5 ... 2.5 mm <sup>2</sup> | 8                | C-FC 2,5/M3     | 3240142   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-FC 2,5/M3,5   | 3240143   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-FC 2,5/M4     | 3240144   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-FC 2,5/M5     | 3240145   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-FC 2,5/M6     | 3240146   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 2.6 ... 6 mm <sup>2</sup>   | 8                | C-FC 2,5/M8     | 3240147   | ●              | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 9                | C-FC 6/M4       | 3240148   |                |                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |
|                                                      |                             | 9                | C-FC 6/M5       | 3240149   |                |                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |
|                                                      |                             | 9                | C-FC 6/M6       | 3240150   |                |                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |
|                                                      |                             | 9                | C-FC 6/M8       | 3240151   |                |                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   |                                                                                     |
| Fork-type cable lugs insulated                       | 0.5 ... 1.5 mm <sup>2</sup> | 7                | C-FCI 1,5/M3    | 3240032   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FCI 1,5/M3,5  | 3240033   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FCI 1,5/M4    | 3240034   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FCI 1,5/M5    | 3240035   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 7                | C-FCI 1,5/M6    | 3240036   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      | 1.5 ... 2.5 mm <sup>2</sup> | 8                | C-FCI 2,5/M3    | 3240037   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-FCI 2,5/M3,5  | 3240038   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                      |                             | 8                | C-FCI 2,5/M4    | 3240039   |                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

| CRIMFOX-RCI 2,5<br>1212053                                                         | CRIMFOX-RCI 2,5-M<br>1212728                                                        | CRIMFOX-RCI 6<br>1212057                                                            | CRIMFOX-RCI 6-1<br>1212059                                                          | CRIMFOX-RCI 6-M<br>1212730                                                          | CRIMFOX-SC 1,5<br>1212048                                                           | CRIMFOX-SC 1,5-M<br>1212725                                                         | CRIMFOX-SC 6<br>1212050                                                              | CRIMFOX-M +<br>dies<br>1212072                                                        | CRIMFOX-C120<br>+ dies<br>1212318                                                     | CRIMFOX-C50<br>+ dies<br>1212340                                                      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
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|  |  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |

## Field of application crimping tools/connectors

|                                              |                             |                              |                       | Designation | CRIMPFOX-RC 2,5<br>1212063                                                        | CRIMPFOX-RC 2,5-M<br>1212723 | CRIMPFOX-RC 6<br>1212710 | CRIMPFOX-RC 6-M<br>1212724 | CRIMPFOX-RC 10<br>1212061 | CRIMPFOX-RC 25<br>1212065 |
|----------------------------------------------|-----------------------------|------------------------------|-----------------------|-------------|-----------------------------------------------------------------------------------|------------------------------|--------------------------|----------------------------|---------------------------|---------------------------|
|                                              |                             |                              |                       |             | Crimping shape                                                                    |                              |                          |                            |                           |                           |
|                                              |                             |                              |                       |             |  |                              |                          |                            |                           |                           |
|                                              | Cross section               | Stripping length (reference) | Designation           | Order No.   |                                                                                   |                              |                          |                            |                           |                           |
| Fork-type cable lugs insulated               | 1.5 ... 2.5 mm <sup>2</sup> | 8                            | C-FCI 2,5/M5          | 3240040     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-FCI 2,5/M6          | 3240041     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 4 ... 6 mm <sup>2</sup>     | 9                            | C-FCI 6/M4            | 3240042     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-FCI 6/M5            | 3240043     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-FCI 6/M6            | 3240044     |                                                                                   |                              |                          |                            |                           |                           |
| Pin cable lugs insulated                     | 0.5 ... 1.5 mm <sup>2</sup> | 7                            | C-PCEI 1,5/2          | 3241215     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-PCEI 2,5/2          | 3241216     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 4 ... 6 mm <sup>2</sup>     | 9                            | C-PCEI 6/2            | 3241217     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-PCI 1,5/2           | 3240064     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-PCI 2,5/2           | 3240066     |                                                                                   |                              |                          |                            |                           |                           |
| Flat pin cable lugs insulated                | 0.5 ... 1.5 mm <sup>2</sup> | 7                            | C-BCI 1,5/2,8         | 3240015     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-BCI 1,5/4,6         | 3240568     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 1.5 ... 2.5 mm <sup>2</sup> | 8                            | C-BCI 2,5/2,8         | 3240046     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-BCI 2,5/4,6         | 3240569     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-BCI 6/2,8           | 3240047     |                                                                                   |                              |                          |                            |                           |                           |
| Slip-on sleeves and slip-on blade connectors | 0.5 ... 1 mm <sup>2</sup>   | 7                            | C-SCFI 1,5/2,8 x 0,5  | 3240152     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFI 1,5/2,8 x 0,8  | 3240153     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 0.5 ... 1.5 mm <sup>2</sup> | 7                            | C-SCFI 1,5/4,8 x 0,5  | 3240154     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFI 1,5/4,8 x 0,8  | 3240155     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFI 1,5/6,3 x 0,8  | 3240156     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 1.5 ... 2.5 mm <sup>2</sup> | 8                            | C-SCFI 2,5/4,8 x 0,5  | 3240157     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-SCFI 2,5/4,8 x 0,8  | 3240158     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 4 ... 6 mm <sup>2</sup>     | 8                            | C-SCFI 2,5/6,3 x 0,8  | 3240159     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-SCFI 6/6,3 x 0,8    | 3240160     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFFI 1,5/2,8 x 0,5 | 3240534     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 0.5 ... 1.5 mm <sup>2</sup> | 7                            | C-SCFFI 1,5/2,8 x 0,8 | 3240535     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFFI 1,5/4,8 x 0,5 | 3240536     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 1.5 ... 2.5 mm <sup>2</sup> | 7                            | C-SCFFI 1,5/4,8 x 0,8 | 3240537     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFFI 1,5/6,3 x 0,8 | 3240538     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-SCFFI 2,5/4,8 x 0,5 | 3240539     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 0.5 ... 1.5 mm <sup>2</sup> | 8                            | C-SCFFI 2,5/4,8 x 0,8 | 3240540     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-SCFFI 2,5/6,3 x 0,8 | 3240547     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 4 ... 6 mm <sup>2</sup>     | 9                            | C-SCFFI 6/6,3 x 0,8   | 3240541     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFI 1,5/2,8 x 0,5  | 3240048     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFI 1,5/2,8 x 0,8  | 3240049     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 0.5 ... 1.5 mm <sup>2</sup> | 7                            | C-SCFI 1,5/4,8 x 0,5  | 3240050     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCFI 1,5/4,8 x 0,8  | 3240051     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 1.5 ... 2.5 mm <sup>2</sup> | 7                            | C-SCFI 1,5/6,3 x 0,8  | 3240052     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-SCFI 2,5/4,8 x 0,5  | 3240053     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-SCFI 2,5/4,8 x 0,8  | 3240054     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 0.5 ... 1.5 mm <sup>2</sup> | 8                            | C-SCFI 2,5/6,3 x 0,8  | 3240055     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-SCFI 6/6,3 x 0,8    | 3240056     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 1.5 ... 2.5 mm <sup>2</sup> | 7                            | C-SCFMI 1,5/6,3 x 0,8 | 3240529     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 8                            | C-SCFMI 2,5/6,3 x 0,8 | 3240530     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCMI 1,5/6,3 x 0,8  | 3240161     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 1.5 ... 2.5 mm <sup>2</sup> | 8                            | C-SCMI 2,5/6,3 x 0,8  | 3240162     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-SCMI 1,5/6,3 x 0,8  | 3240058     |                                                                                   |                              |                          |                            |                           |                           |
|                                              | 4 ... 6 mm <sup>2</sup>     | 8                            | C-SCMI 2,5/6,3 x 0,8  | 3240059     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-SCMI 6/6,3 x 0,8    | 3240060     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 7                            | C-JCI 1,5             | 3240061     |                                                                                   |                              |                          |                            |                           |                           |
| Butt connector                               | 1.5 ... 2.5 mm <sup>2</sup> | 8                            | C-JCI 2,5             | 3240062     |                                                                                   |                              |                          |                            |                           |                           |
|                                              |                             | 9                            | C-JCI 6               | 3240063     |                                                                                   |                              |                          |                            |                           |                           |

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