2025

Tools

Hand tools, automatic tools, ferrules, and connectors

The right tool for every application

As a manufacturer of professional processing and measuring tools, Phoenix Contact is your expert partner for all industrial and manual applications. Our range of tools features a comprehensive portfolio of quality hand tools for cutting, stripping, crimping, mounting, and testing. Automatic tools for cutting, stripping, and crimping for the fast and precise processing of wires and cables round out the tool range. We thereby ensure that all tasks in the process chain can be performed professionally.

1 Hand tools

Robust and ergonomic: work conveniently and safely with the professional and durable hand tools.

> More information starting on page 16

2 Tool sets and toolbags

Clearly arranged: you always have the right tool at hand with our tool sets.

> More information starting on page 78

3 Automatic tools

Precise and fast: our automatic tools enable you to process wires and cables automatically and with consistent quality.

> More information starting on page 88

Quality, expertise, and knowledge

We use our expertise and knowledge in the field of tools to develop innovative products with high quality standards.

> More information starting on page 4

Contents

Tool quality, expertise, and knowledge	4
Hand tools	16
CUTFOX cutting tools	18
WIREFOX stripping tools	28
CRIMPFOX crimping tools	34
SCREWFOX screwdriver tools	52
TESTFOX testing and measuring tools	64
UNIFOX universal and special tools	66
MICROFOX electronics tools	74
Tool sets and toolbags	78
Automatic tools	88
Automatic cutting devices	90
Automatic stripping devices	92
Automatic crimping devices	96
Automatic stripping and crimping devices	100
Portable automatic stripping and crimping device	104
Worker assistance system for wire preparation	108
Ferrules and crimp connectors	110
Ferrules	112
Crimp connectors	130

4

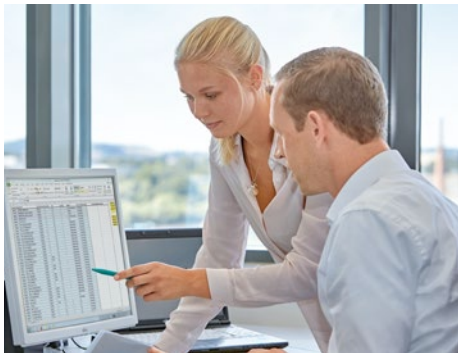
Ferrules and crimp connectors

Professional and safe: process high-quality and standard-compliant ferrules and crimp connectors for safe electrical connections.

> More information starting on page 110

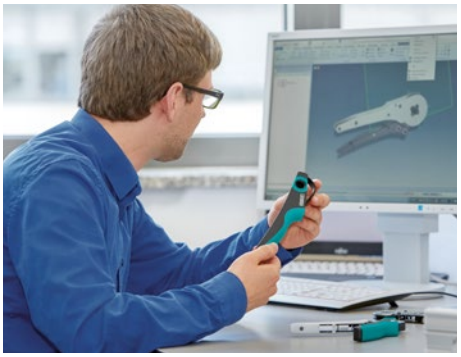
Tool quality, expertise, and knowledge

The Phoenix Contact tool range is characterized by precision, durability, and effectiveness. It also features impressive convenient handling and high quality. We produce our tools in highly specialized manufacturing processes in accordance with applicable standards, directives, and legal regulations. Conscious of our responsibility to the environment, production at our manufacturing site in Sweden conserves resources and is sustainable.



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 expert team will gladly advise you in all matters regarding products and applications.

Conductors and cables

Wires, conductors, and cables serve the purpose of carrying 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.

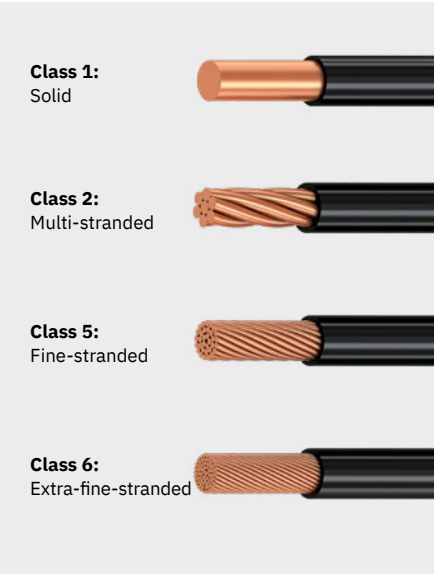
In the IEC/DIN EN 60228 (VDE 0295) standard, the conductor cross-sections are defined by the electric conductance or resistance values. These values are the basis for determining the maximum current carrying capacity. Geometrical data, in particular cross-section tolerances, is not specified here. As 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 presents a challenge when it comes to crimping.

The IEC / DIN EN 60228 (VDE 0295) divides conductor into four 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.

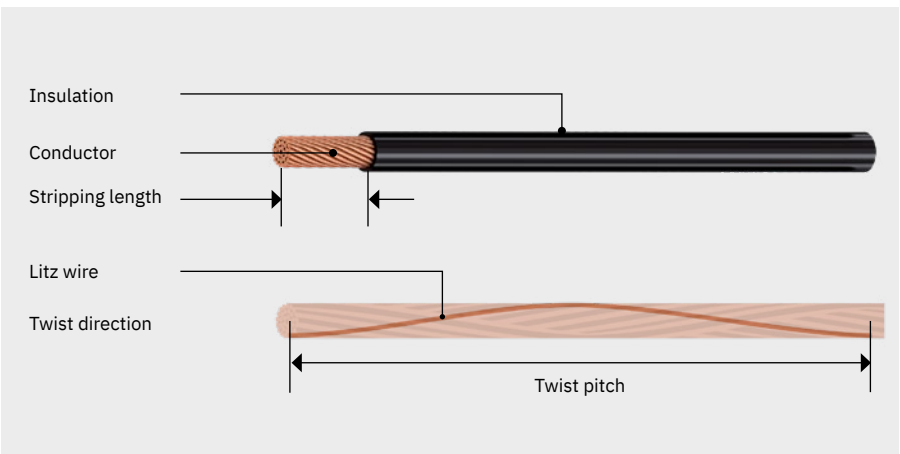
A further influence on the inherent stability is the twist pitch. The twist pitch refers to the length of an individual wire that is required for a 360° rotation. The lower the twist pitch, the more rigid and compact the conductor is. This also increases the outside diameter.

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 directly influences 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

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. Damage to the crimping point must not occur. Generally, even the maximum tensile force is tolerated, until the connection is destroyed.

Cross-section-related pull-out values

Metric	JIS type	AWG/MCM equivalent		UL 486F-A-F	IEC 60999-1/2 EN 60947-1 DIN 46228-1/4	IEC 60352-2	UL486A/B (CU)	JIS C 2805	DIN EN 61238-1 (CU)	DIN EN 61210
0.2 mm²	-	24	0.21 mm²	20 N	10 N	28 N	22.3 N			28 N
0.25 mm²				20 N		32 N				
0.34 mm²	-	22	0.33 mm²	20 N	15 N	40 N	35.6 N			40 N
0.5 mm²	-	20	0.52 mm²	20 N	20 N	60 N	57.9 N			56 N
0.75 mm²	-			30 N	30 N	85 N	89 N			84 N
		18	0.82 mm²	30 N	30 N	90 N	89 N			
1 mm²	-			35 N	35 N	108 N				108 N
-	1.25 mm²							100 N (200 N)		
		16	1.31 mm²	40 N	40 N	135 N	134 N			
1.5 mm²				40 N	40 N	150 N	134 N			150 N
-	2.0 mm²							100 N (290 N)		
		14	2.08 mm²	50 N	50 N	200 N	223 N			
2.5 mm²				50 N	50 N	230 N	223 N			230 N
-		12	3.31 mm²	60 N	60 N	275 N	312 N			
	3.5 mm²							540 N		
4 mm²				60 N	60 N	310 N	312 N			310 N
-	5.5 mm²							780 N		
6 mm²		10	5.26 mm²	80 N	80 N	360 N	356 N			360 N
-	8 mm²							980 N		
		8	8.37 mm²			370 N	401 N			
10 mm²				90 N	90 N	380 N	401 N		600 N	
-	14 mm²							1,400 N		
16 mm²		6	13.23 mm²	100 N	100 N		445 N		960 N	
-	22 mm²							1,800 N		
25 mm²		4	21.15 mm²	135 N	135 N		623 N		1,500 N	
		3	26.67 mm²				712 N			
35 mm²		2	33.62 mm²	190 N	190 N		801 N		2,100 N	
	38 mm²							2,500 N		
		1	42.41 mm²				890 N			
50 mm²		1/0	53.48 mm²		236 N		1,113 N		3,000 N	
	60 mm²							3,200 N		
70 mm²		2/0	67.43 mm²		285 N		1,235 N		4,200 N	
95 mm²		3/0	85.01 mm²		351 N		1,558 N		5,700 N	
	100 mm²							3,900 N		
120 mm²		4/0	107.22 mm²		427 N		2,003 N		7,200 N	
		250 MCM	127 mm²				2,225 N			
150 mm²	150 mm²	300 MCM	152 mm²		427 N		2,448 N	4,100 N	9,000 N	
185 mm²		350 MCM	177 mm²		503 N		2,670 N		11,100 N	
	200 mm²							4,400 N		
		400 MCM	203 mm²				2,893 N			
240 mm²		500 MCM	253 mm²		578 N		3,560 N		14,400 N	
	250 mm²							4,600 N		
300 mm²		600 MCM	304 mm²		578 N		4,005 N		18,000 N	
	325 mm²							4,800 N		

Gas tightness in crimp connections

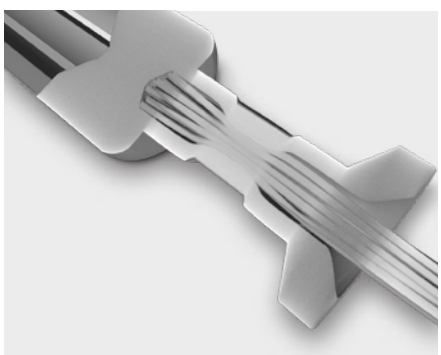
A gas-tight crimp connection is the result of a defined crimping procedure. The wire strands in one or more conductors and a connector are joined into a largely homogeneous structure, with no clearances. This results in a durable, reliable connection that cannot be detached. In addition to the mechanical and electrical properties to be tested, a visual observation of the connection provides key information on the quality of the connection. To this end, micrographs or images are captured by means of computer tomography. The porosity, elongation at break, and the deformation of the individual wire strands is 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 corrosion during the service life of the individual wire strand and 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 conductors, 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 mm² 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 mm² for class 5 copper conductors in accordance with IEC 60228. 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 conductors. 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.

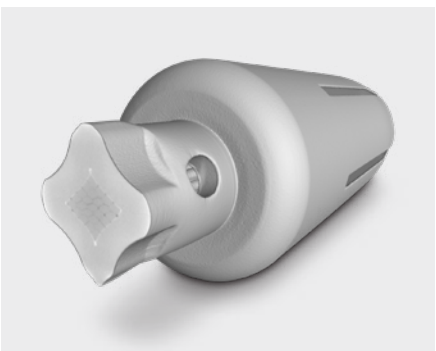
In a gas-tight connection, it is assumed that the test object fulfills requirements of a test in a condensation changing climate with an atmosphere containing sulfur dioxide in accordance with DIN 50018 (AHT 2.0 S). This test consists of storage in a condensation changing climate with changing air humidity and temperatures.

In the first test section, the test object is exposed to an SO_2 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.

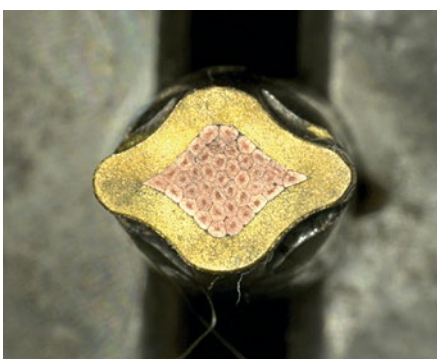
When used correctly at contact points, Phoenix Contact crimping tools and connectors achieve a permanent gas-tight connection that cannot be impaired even by aggressive substances. Even aggressive media do not impact this connection.



View lengthways through the crimp



View vertically through the crimp



Micrograph

1,000 V tests in accordance with EN 60900

In the strict safety regulations for working on live parts up to 1,000 V AC and 1,500 V DC, VDE-insulated tools take on a key role in addition to general safety measures. International standard IEC 60900 places very stringent requirements on insulated tools. In addition to specifications regarding the geometry and dimensions, this standard primarily defines the properties of the insulation material. Comprehensive tests complete the standard.

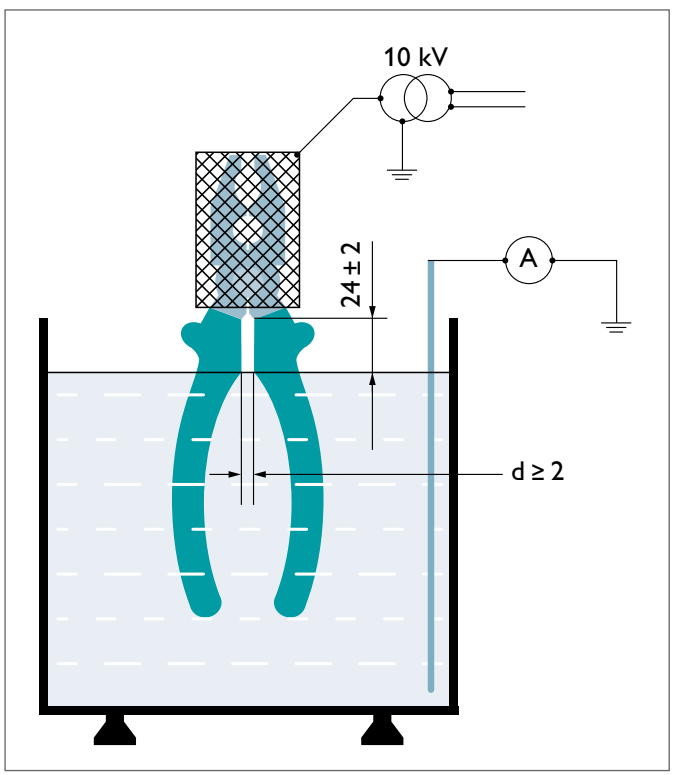
As such, the condition of the insulation and the inscriptions undergo a visual test. An impact test checks the resistance of the insulation layer to impacts. Breakages, flaking or cracks must not occur, even at low temperatures (-25°C or -40°C depending on the category). After an indentation test (semi-sphere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

In dielectric tests, pre-conditioned tools (water bath or humidor 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 inspections of production sites and test centers are also made by the appropriate VDE approval body. Among other things, this involves taking random product samples from ongoing production and assessing them.

The manufacturer carries out comprehensive testing, during production that ensure 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.

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 1,000 V AC and 1,500 V DC.



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

Marking on a VDE tool: The letter "C" indicates that it may be used at low temperatures

Cutting and stripping

Cutting

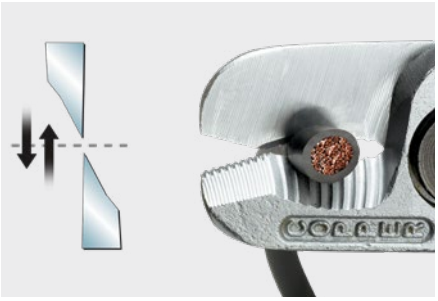
Cable processing starts with the trimming or cutting of the conductor or cable.

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.

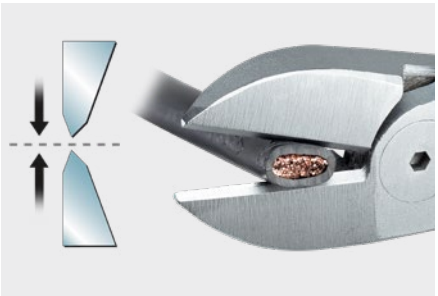
When it comes to cutting conductors and cables in the upper cross-section range up to 1,400 mm², ratchet-driven cable cutters are the solution. Here, the finely stepped down drives also keep the required manual force to a minimum.

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 2,300 N/mm² without damaging the tool. Bite cutting is suitable only to a limited extent for cutting through cables and lines.



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 removing the sheath.

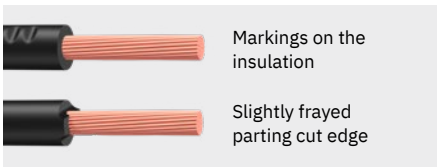
Stripping is used as a generic term as well as to describe the removal of insulation from conductors up to 16 mm². Removal of the sheath describes the stripping process for large conductor cross-sections and multi-strand or multi-layered lines and cables.

Insulation can be removed professionally and quickly using the right stripping or removal 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.

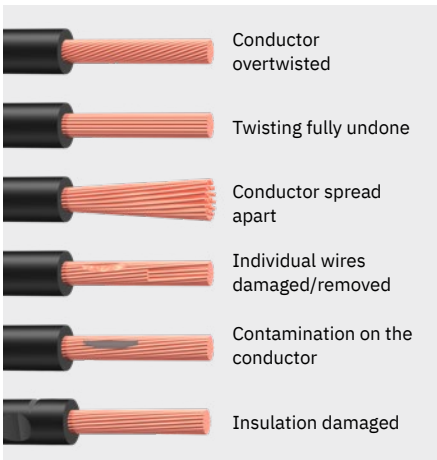
When the insulation is removed, make sure that neither the single wires inside nor the braided shield are damaged. The remaining insulation must not be damaged by the grip pressure, although pressure points on and color changes in the insulation material are permitted. Further faults that need to be 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 round, thereby reducing the tear-off force.

Phoenix Contact provides a wide range of removal 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, and crushing

Crimping describes the mechanical joining of the contact and conductor.

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, uninsulated cable lugs, and similar enclosed connectors

When processing spade connectors, for example, this is called crimping. In order to establish a reliable connection between the contact and conductor, a number of important points must be considered:

- 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 pressure lock that can be unlocked. It unlocks as soon as the required crimping pressure is applied. This rules out the possibility of too little pressure. It ensures consistent crimping results for the user with maximum possible 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 product family from Phoenix Contact are adjusted and tested according to the applicable standards. These tools ensure long-term stable crimping.

We recommend checking the crimp quality every 5,000 cycles or once per year, using suitable, calibrated test equipment.

Precise
Precisely finished holes with a symmetrical crimping shape guarantee high-quality crimping results.

Effortless
Optimized leverage reduces the necessary operating forces by up to 30%.

Safe
The special grip contour and the use of non-slip plastics prevent unwanted hand slippage.

Comfortable
With its balanced weight, ergonomic design, and low handle width, it sits perfectly in your hand.

Durable
The use of high-quality materials and components minimizes wear.

Process-reliable
An automatic cross-section adjustment and manually releasable pressure lock ensure execution of the crimping process.

Force optimization
A fixing support pad reduces the necessary application of force.

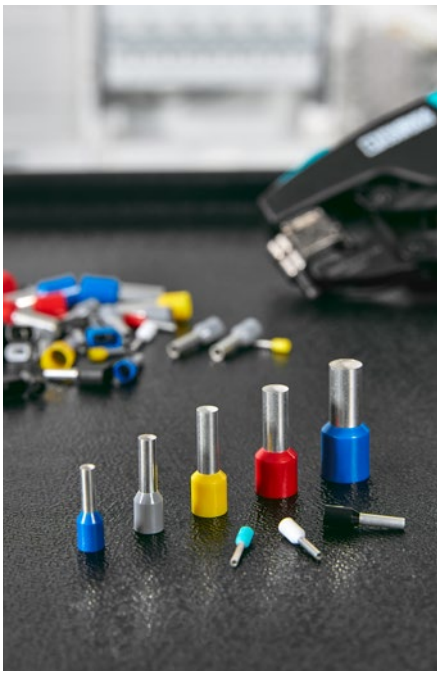
Ferrules

For secure and reliable connections

Ferrules are useful tools for conductor processing and wiring. Using sleeves prevents the potential splicing of individual litz wires, thereby enabling effective and, above all, reliable further processing. Ferrules thus facilitate insertion into the clamping shaft and protect the individual litz wires against mechanical impact, for example during connection to screw terminal blocks.

Advantages of ferrules

- Process reliability, fast wiring
- Reliable connection, even with repeated rewiring
- Increased, long-term operational safety and contact reliability
- Permanently low contact resistances
- Easy cross-section detection
- Increased vibration resistance
- Individual litz wires are protected (particularly for screw terminal blocks)



Ferrules for process-reliable conductor processing and wiring

Scan the QR code and discover our poster on the topic of ferrules. You will find everything you need to know and tips on handling at a glance.

Colors of the ferrules

The color of the plastic collar indicates the cross-section of the ferrule and thus facilitates assignment to the corresponding conductor. The color definition of DIN 46228-4, which is also the basis for UL 486F, is the primary standard in terms of acceptance among users.

Cross-section	DIN 46228-4	UL 486F	NF C 63-023	Special color code
0.14 mm²		Gray		Gray
0.25 mm²		Yellow		Light blue
0.34 mm²		Turquoise	Green	Turquoise
0.50 mm²	White	White	White	Orange
0.75 mm²	Gray	Gray	Blue	White
1.00 mm²	Red	Red	Red	Yellow
1.50 mm²	Black	Black	Black	Red
2.50 mm²	Blue	Blue	Gray	Blue
4.00 mm²	Gray	Gray	Orange	Gray
6.00 mm²	Yellow	Yellow	Green	Black
10.00 mm²	Red	Red	Brown	Ivory
16.00 mm²	Blue	Blue	Ivory	Green
25.00 mm²	Yellow	Yellow	Black	Brown
35.00 mm²	Red	Red	Red	Beige
50.00 mm²	Blue	Blue	Blue	Olive

Standards for ferrules

In DIN 46228, the ferrule is defined as being between 0.5 and 50 mm². This standard has four parts:

- Part 1: blank shape without plastic sleeve
- Part 2: Crimp-type end-splices, with and without insulation grip
- Part 3: Conductor-embracing end-splices, without insulation grip
- Part 4: Tubular end-sleeves with plastic sleeve

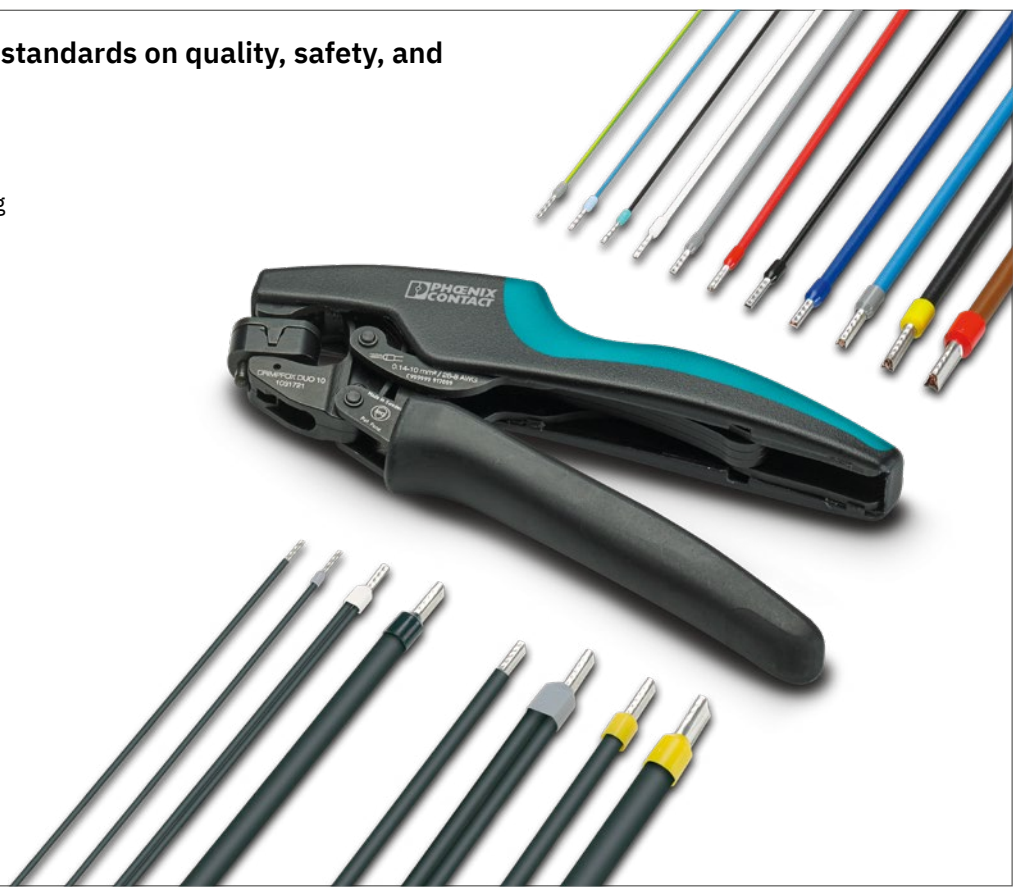
Alongside the geometric dimensions of the sleeve, the material, the coloring in accordance with the cross-section, and the test specifications are all part of the standard. In addition, there is the requirement that the ferrules accommodate Class 2, 5, and 6 conductors. The conductor cross-sections are defined by the electrical resistance values and not, as is the case for the ferrules, by the geometric dimensions. Greater variations in cross-sections are therefore possible. Due to this fact, there is a certain discrepancy between the ferrule and the conductor. However, Phoenix Contact ferrule pliers are largely designed to compensate for this difference in size.

In addition to DIN, there is a French standard for the sleeves, NF C 63-023. With the exception of the coloring for some cross-sections, the NF standard is based on the DIN standard. UL 486F and the Canadian C22.2 NO. 291-14 are new when it comes to the standardization of ferrules. These harmonized standards are also based on the DIN, but go further into detail on the test methodology and the specific requirements.

In UL 486F, special sleeves such as the TWIN ferrules for two-conductor connection are also defined in a standard for the first time. For certification in accordance with the UL and CSA standards mentioned above, comprehensive testing must be carried out by the relevant organization. Not just the ferrules are tested and certified, but also the entire system consisting of the ferrule pliers and ferrule.

Trailblazer for international standards on quality, safety, and compatibility

Phoenix Contact was one of the first manufacturers to have ferrules combined with a selection of crimping tools and crimping devices certified in accordance with the UL 486F standard that came into force in 2016. Together with conformity with the DIN 46228-1/-4 standard (updated 03/2020), it meets the global market requirements for quality, safety, and compatibility, offering a system that is accepted worldwide to export-oriented users.



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 come 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, 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
- Turned contacts
- Hard-soldered crimping cable lugs
- Tubular and compression cable lugs
- Butt connectors
- Insulated crimping cable lugs
- Pin cable lugs
- Uninsulated and insulated ring cable lugs
- Uninsulated and insulated fork-type cable lugs
- Uninsulated and insulated slip-on sleeves
- Coaxial CATV connectors

Hand tools

Robust and ergonomic

1

Hand tools for cutting, stripping, crimping, mounting, and measuring: our comprehensive range of tools features high-quality hand tools for all industrial and trade applications. The hand tools are characterized by their quality, precision, durability, and effectiveness. When using our tools over a long period of time, you benefit from ergonomically designed handles and consistent processing quality.

CUTFOX cutting tools

Cut and trim conductors, cables, and other materials to length easily and with minimal effort.

More information starting on page 18

WIREFOX stripping tools

Reliably strip all types of conductors with standard or special insulation.

More information starting on page 28

CRIMPFOX crimping tools

Crimp all types of contacts safely and effortlessly.

More information starting on page 34

SCREWFOX screwdriver tools

High-quality tools for easy and safe screwing and mounting.

> More information starting on page 52

TESTFOX testing and measuring tools

Measure and test switching devices reliably.

> More information starting on page 64

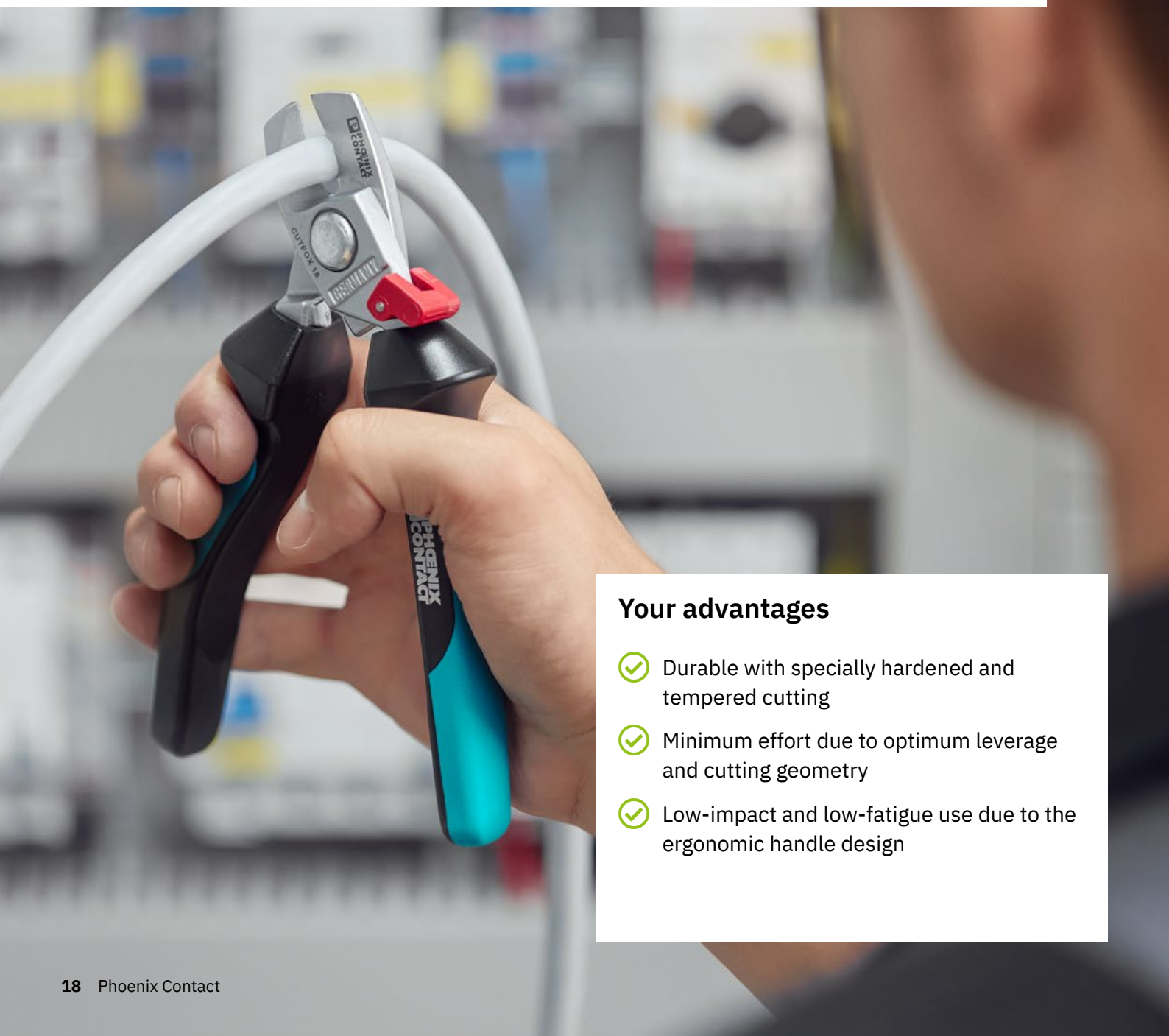
UNIFOX and MICROFOX universal tools

Universal tools with combined functions as well as tools for all precision tasks in the electronics sector.

> More information starting on page 66

CUTFOX cutting tools

Implement professional, permanent processing of conductors and cables up to 1,400 mm² and diameters up to 100 mm with ergonomic tools from Phoenix Contact. Our CUTFOX product family features particularly robust and tempered cutting tools in various designs. It includes the ideal tool for every application for a chip-free, crush-free cutting result.



Your advantages

- Durable with specially hardened and tempered cutting
- Minimum effort due to optimum leverage and cutting geometry
- Low-impact and low-fatigue use due to the ergonomic handle design

Effortless, clean cutting results

Electrician’s scissors

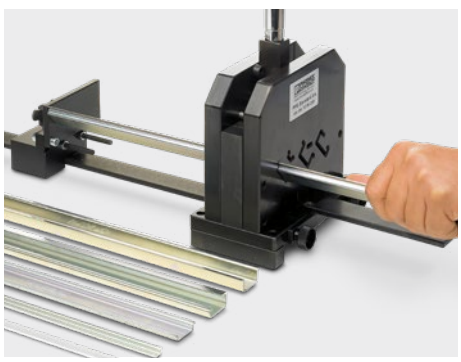
The electrician’s scissors feature a wide range of applications and are incredibly durable. The specially shaped handles and the use of high-quality materials ensure ergonomic handling.

Cable cutters

Thanks to their special cutting geometry, the cable cutters ensure optimum results. The ergonomically designed handles support comfortable working. With their optimum ratchet mechanism, the ratchet cable cutters can be operated easily and effortlessly.

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).

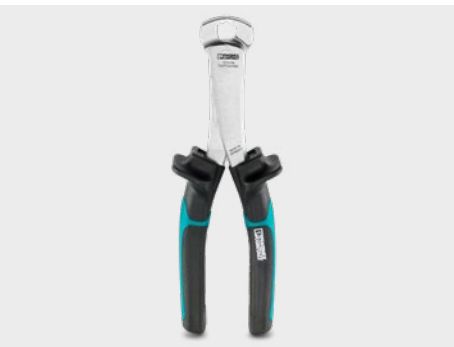


DIN rail cutters

With the DIN rail cutters, you can cut standard DIN rails without burrs, without chips, and without reworking. The PPS STANDARD and PPS CLASSIC can also punch holes and elongated holes.

Cable duct cutters

You can use the cable duct cutters to cut cable ducts and their covers up to a width of 125 mm quickly and easily.



Special cutting tool

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

CUTFOX cutting tools

Electrician's scissors

Information			Properties
Type	Item no.	CUTFOX-ES 1212621	• Micro-serrated • Ergonomic two-component handle • Adjustable screw joint
Diameter		≤8.00 mm	
Cross-section		10 mm² // AWG 8	
Length		155 mm	
Weight		105 g	
Application		Aluminum, copper, Kevlar fibers, plastic	

Information			Properties
Type	Item no.	CUTFOX-ES-1 1139721	• Recess for stripping • Plastic holster • Micro-serrated • Ergonomic two-component handle • Adjustable screw joint
Diameter		≤8.00 mm	
Cross-section		10 mm² // AWG 8	
Length		150 mm	
Weight		115 g	
Application		Aluminum, copper, Kevlar fibers, plastic	

Information			Properties
Type	Item no.	CUTFOX-MPS 1139725	• Multipurpose shears • Notched gripping surface • Wire cutting area • Additional blade on blade back • Plastic holster • Micro-serrated • Ergonomic two-component handle • Adjustable screw joint
Diameter		≤2.50 mm	
Cross-section		2.5 mm² // AWG 14	
Length		208 mm	
Weight		144 g	
Application		Aluminum, copper, Kevlar fibers, plastic, cardboard	

CUTFOX cutting tools

Cable cutters

Information			Properties
Type	Item no.	CUTFOX 12 1212128	• Two cutting and stripping areas • Crush-free cutting • Ergonomic two-component handle • Riveted joint
Diameter		≤12.00 mm	
Cross-section		35 mm² // AWG 2	
Length		165 mm	
Weight		198 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX 18 1212129	• 25° angled head • Spring reset with locking mechanism • Crush-free cutting • Ergonomic two-component handle • Adjustable screw joint • Mirror-polished, matt chrome-plated surface
Diameter		≤18.00 mm	
Cross-section		50 mm² // AWG 1/0	
Length		180 mm	
Weight		280 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX 16 VDE 1212126	• Toothed cutting surface • Compact design • Crush-free cutting • Ergonomic two-component handle • Adjustable screw joint • VDE tested
Diameter		≤16.00 mm	
Cross-section		50 mm² // AWG 1/0	
Length		160 mm	
Weight		197 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX 25 VDE 1212127	• Toothed cutting surface with pre-cutting zone • Optimum leverage • Crush-free cutting • Ergonomic two-component handle • Adjustable screw joint • VDE tested
Diameter		≤25.00 mm	
Cross-section		25 mm² ... 70 mm² // AWG 4 ... 2/0	
Length		210 mm	
Weight		319 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX-LB VDE 1212527	• Toothed cutting surface • Optimum leverage • Hardened blade • Crush-free cutting • Ergonomic two-component handle • Adjustable screw joint • VDE tested
Diameter		≤25.00 mm	
Cross-section		25 mm² ... 50 mm² // AWG 4 ... 1/0	
Length		210 mm	
Weight		317 g	
Application		Aluminum, copper, laminated busbars/ribbed tape	

CUTFOX cutting tools

Ratchet cable cutters

Information			Properties
Type	Item no.	CUTFOX 25 1212130	• Effort-saving ratchet mechanism • Front cutter • One-hand cutter • Mechanism that can be released
Diameter		≤25.00 mm	
Cross-section		185 mm² // AWG 350 MCM	
Length		245 mm	
Weight		900 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX 35 1212131	• Effort-saving ratchet mechanism • Front cutter • One-hand cutter • Mechanism that can be released
Diameter		≤35.00 mm	
Cross-section		300 mm² // AWG 600 MCM	
Length		245 mm	
Weight		900 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX 45 1212132	• Effort-saving ratchet mechanism • Ring cutter • One-hand cutter • Mechanism that can be released
Diameter		≤45.00 mm	
Cross-section		300 mm² // AWG 600 MCM	
Length		260 mm	
Weight		950 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	CUTFOX 50 STEEL 1212526	• Effort-saving ratchet mechanism • For bolts up to Ø 8 mm • Suitable for steel-reinforced conductors/cables • Replaceable blades • Ring cutter • One-hand cutter • Mechanism that can be released
Diameter		≤50.00 mm	
Cross-section		500 mm² // AWG 1000 MCM	
Length		260 mm	
Weight		950 g	
Application		Aluminum, copper, reinforced steel	

CUTFOX cutting tools

Ratchet cable cutters

Information				Properties
Type	Item no.	CUTFOX 52	1212133	• Effort-saving ratchet mechanism • Ring cutter • One-hand cutter • Mechanism that can be released
Diameter		≤52.00 mm		
Cross-section		400 mm² // AWG 800 MCM		
Length		325 mm		
Weight		1.2 kg		
Application		Aluminum, copper		

Information				Properties
Type	Item no.	CUTFOX 62	1212134	• Effort-saving ratchet mechanism • Ring cutter • Two-hand cutter • Mechanism that can be released
Diameter		≤62.00 mm		
Cross-section		750 mm² // AWG 1500 MCM		
Length		410 mm		
Weight		2.2 kg		
Application		Aluminum, copper		

Information				Properties
Type	Item no.	CUTFOX 100	1212135	• Effort-saving ratchet mechanism • Ring cutter • Two-hand cutter • Mechanism that can be released
Diameter		≤100.00 mm		
Cross-section		1400 mm² // AWG 2800 MCM		
Length		610 mm		
Weight		3 kg		
Application		Aluminum, copper		

CUTFOX cutting tools

Diagonal cutters

Information			Properties
Type	Item no.	CUTFOX-S VDE M 1212830	• Compact design • Inductively hardened precision cutting edge • Ergonomic two-component handle • Minimum force required • Special tool steel, die-forged and oil-hardened • ~ 62 HRc • VDE tested
Diameter		≤11.00 mm	
Length		130 mm	
Weight		150 g	
Application		Aluminum, copper, piano wire	

Information			Properties
Type	Item no.	CUTFOX-S VDE 1212207	• Inductively hardened precision cutting edge • Ergonomic two-component handle • Minimum force required • Special tool steel, die-forged and oil-hardened • ~ 62 HRc • VDE tested
Diameter		≤11.00 mm	
Length		160 mm	
Weight		230 g	
Application		Aluminum, copper, piano wire	

Information			Properties
Type	Item no.	CUTFOX-SP VDE 1212206	• Inductively hardened precision cutting edge • Ergonomic two-component handle • Optimum leverage • Special tool steel, die-forged and oil-hardened • ~ 62 HRc • VDE tested
Diameter		≤4.00 mm	
Length		200 mm	
Weight		315 g	
Application		Aluminum, copper, piano wire	

Information			Properties
Type	Item no.	CUTFOX-SP BOLT VDE 1212831	• Inductively hardened precision cutting edge • Ergonomic two-component handle • Minimum force required, thanks to optimum leverage • 50% less force required compared to diagonal cutters • Special tool steel, die-forged and oil-hardened • ~ 62 HRc • VDE tested
Diameter		≤4.00 mm	
Length		200 mm	
Weight		320 g	
Application		Aluminum, copper, piano wire	

Information			Properties
Type	Item no.	CUTFOX-SE 1212832	• 25° angled head • Extended blade • Inductively hardened precision cutting edge • Ergonomic two-component handle • Minimum force required • Mirror-polished, matt chrome-plated surface • Special tool steel, die-forged and oil-hardened • ~ 62 HRc
Diameter		≤11.00 mm	
Length		180 mm	
Weight		270 g	
Application		Aluminum, copper	

CUTFOX cutting tools

Multifunctional diagonal cutters

Information				Properties
Type	Item no.	CUTFOX-SE LM	1212833	• Multifunctional cutter • With stripping, crimping, shearing, and bending area • 25° angled head • Inductively hardened precision cutting edge • Ergonomic two-component handle • Minimum force required • Mirror-polished, matt chrome-plated surface • Special tool steel, die-forged and oil-hardened • ~ 62 HRc
Diameter		≤11.00 mm		
Length		180 mm		
Weight		270 g		
Application		Aluminum, copper		

Special cutting tools for bridges

Information				Properties
Type	Item no.	CUTFOX-FBS	1212124	• Front cutter for notching FBS and EB bridges • Inductively hardened precision cutting edge • Ergonomic two-component handle • Minimum force required • Special tool steel, die-forged and oil-hardened
Length		190 mm		
Weight		300 g		
Application		Plug-in bridges		

Information				Properties
Type	Item no.	CUTFOX FB	1205985	• Narrow cutting edge • Ergonomic two-component handle • Minimum force required • Special tool steel, die-forged and oil-hardened
Length		165 mm		
Weight		180 g		
Application		Fixed bridges		

CUTFOX cutting tools

Profile and DIN-rail cutters

Information			Properties
Type	Item no.	PPS BASIC I/M 1207585	• Imperial/metric measuring rail, 1 m with end stop • Rugged design • Burr-free and chip-free cutting • For table mounting (screw holes present)
Weight		9.3 kg	
Application		DIN rail for NS 15, NS 35/7,5, NS 35/15, and NLS-CU 3/10	

Information			Properties
Type	Item no.	PPS STANDARD M 1206175	• Imperial/metric measuring rail, 1 m with end stop • Can be equipped with 2 hole punches (optional) • Very robust design • Burr-free and chip-free cutting • Optimum leverage • For table mounting (screw holes present) • Compatible with PPS HYDRAULIC CYL 1208924
Weight		18 kg	
Application		DIN rail and 2 hole punches for NS15, NS32, NS35/7,5, NS35/15, and NLS-CU 3/10	

Information			Properties
Type	Item no.	PPS STANDARD I/M 1206230	• Imperial/metric measuring rail, 1 m with end stop • Can be equipped with 2 hole punches (optional) • Very robust design • Burr-free and chip-free cutting • Optimum leverage • For table mounting (screw holes present) • Compatible with PPS HYDRAULIC CYL 1208924
Weight		18 kg	
Application		DIN rail and 2 hole punches for NS15, NS32, NS35/7,5, NS35/15, and NLS-CU 3/10	

Information			Properties
Type	Item no.	PPS CLASSIC M 1206243	• Metric measuring rail, 1 m with end stop • Can be equipped with 2 hole punches (optional) • With folding mechanism for easy replacement of the punching machine • Very robust design • Burr-free and chip-free cutting • Optimum leverage • For table mounting (screw holes present)
Weight		20.8 kg	
Application		DIN rail and 2 hole punches for NS15, NS32, NS35/7,5, NS35/15, and NLS-CU 3/10	

Information			Properties
Type	Item no.	PPS CLASSIC I/M 1206256	• Imperial/metric measuring rail, 1 m with end stop • Can be equipped with 2 hole punches (optional) • Very robust design • Burr-free and chip-free cutting • Optimum leverage • For table mounting (screw holes present)
Weight		20.8 kg	
Application		DIN rail and 2 hole punches for NS15, NS32, NS35/7,5, NS35/15, and NLS-CU 3/10	

Information			Properties
Type	Item no.	PPS COMPACT 1104980	• Compact design for mobile use • Mounting: can be screwed/clamped (C-clamp/bench vise) • Burr-free and chip-free cutting • Measuring tape and measuring rail available as an option
Weight		5.5 kg	
Application		DIN rail for NS 35/7,5 and NS 35/15	

CUTFOX cutting tools

Cable duct cutters

Information				Properties
Type	Item no.	CUTFOX-CD	1212474	• Coated cutting edge • Compact design • Stop for 45° or 90° • Foam pad • With locking mechanism • For cable ducts of up to 75 mm width and 2.5 mm material thickness
Weight		430 g		
Application		Plastic cable duct		

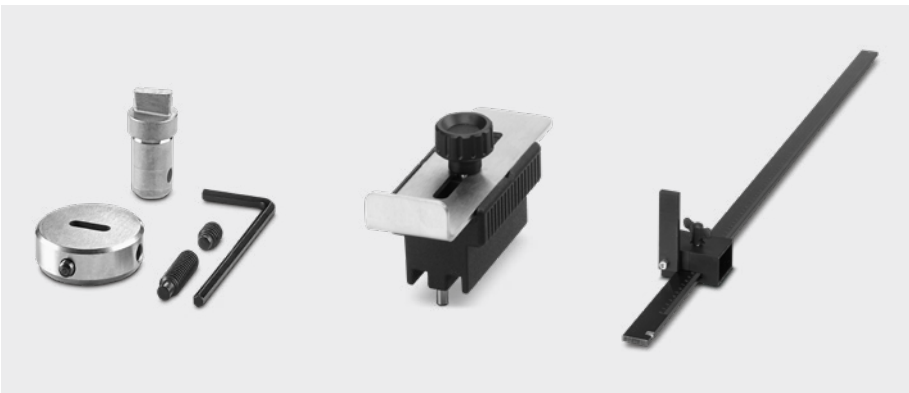
Information				Properties
Type	Item no.	PPS CD M	1207569	• Metric measuring rail, 1 m with end stop • For cable ducts of up to 125 mm width and 2.5 mm material thickness • With 90° stop • Burr-free and chip-free cutting • With gripping protection • Optimum leverage • For table mounting (screw holes present)
Weight		10.5 kg		
Application		Plastic cable duct		

Accessories

You will find suitable accessories for profile and DIN rail cutters as well as cable duct cutters in our online shop, including:

- Various punch sets for long and round holes
- Hydraulic cylinders
- Measuring rails
- C-clamps
- Replacement stops and blades
- Zero-cut adapters

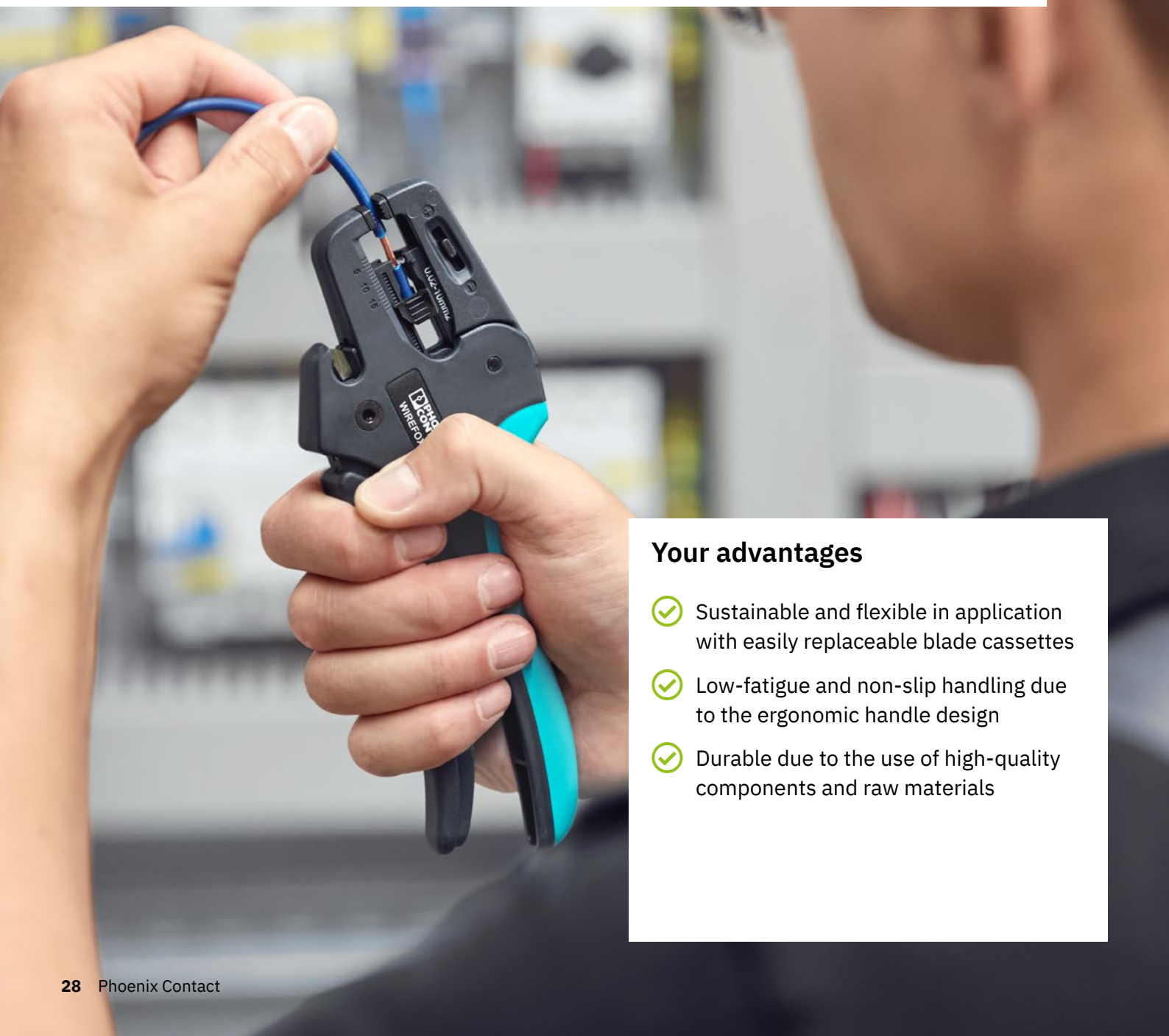
An overview with the corresponding accessories is provided for each item.



Punch set for elongated holes *Zero-cut adapter* *Measuring rail*

WIREFOX stripping tools

The WIREFOX product family provides the perfect tool for every form of stripping. The stripping tools impress with their ergonomics and good, precise results. The hardened blades with special geometries ensure maximum durability. The WIREFOX stripping tools can strip all types of conductors and cables reliably, quickly, and cleanly. Appropriate tools are available for standard and special types of insulation.



Your advantages

- Sustainable and flexible in application with easily replaceable blade cassettes
- Low-fatigue and non-slip handling due to the ergonomic handle design
- Durable due to the use of high-quality components and raw materials

Precise and safe stripping

Self-adjusting stripping pliers

The self-adjusting stripping pliers from Phoenix Contact are an indispensable tool for precise and efficient work in the field of electrical installation.

With their innovative self-adjusting mechanics, they automatically adapt to various conductor cross-sections. This saves time and enables consistently high stripping quality. The hardened blades ensure a long service life. The structural design of the stripping pliers enables easy replacement of the blade cassettes. Basic pliers therefore cover a range of applications.

The ergonomic design also ensures effortless working. Phoenix Contact offers a reliable solution for professional requirements with this product family.

Stripping tools for stripping

Phoenix Contact's stripping tools are specifically designed for the precise processing of wires and cables.

The range includes tools for standard and special insulation for you to choose from. They enable the external insulation layer to be removed quickly without damaging the inner conductor. The ergonomic handle shape ensures low-fatigue handling, while the high-quality components guarantee a long service life.

The stripping tools from Phoenix Contact provide a reliable solution for professional requirements, whether in industry or the trades.

WIREFOX stripping tools

Stripping pliers for conductors and cables

- Automatic adjustment mechanism
- Tool-free replacement of stripping blades
- Length stop for setting the stripping length ≤18 mm
- Integrated wire cutter
- Cutting capacity up to ≤10 mm² (flexible conductor)
- Length 191 mm

Type	Item no.	Blade type	Application	Cross-section range	
				mm²	AWG
WIREFOX 4	1212156		Standard, silicone, rubber	0.1 ... 4	28 ... 12
WIREFOX 6SC	1212158		Short-circuit-proof cable	1.5 ... 6	16 ... 10
WIREFOX 10	1212150		Standard	0.02 ... 10	34 ... 8
WIREFOX 16	1212155			4 ... 16	12 ... 5

- Automatic adjustment mechanism
- Tool-free replacement of stripping blades
- Length stop for setting the stripping length ≤18 mm
- Angled pliers contour
- Integrated wire cutter
- Cutting capacity up to ≤10 mm² (flexible conductor)
- Length 168 mm

Type	Item no.	Blade type	Application	Cross-section range	
				mm²	AWG
WIREFOX-E 4	1212704		Standard, silicone, rubber	0.1 ... 4	28 ... 12
WIREFOX-E 6SC	1212705			1.5 ... 6	16 ... 10
WIREFOX-E 10	1212706		Standard	0.02 ... 10	34 ... 8
WIREFOX-E 16	1212707			4 ... 16	12 ... 5

- Automatic adjustment mechanism
- Tool-free replacement of stripping blades
- Length stop for setting the stripping length ≤15 mm
- Angled pliers contour
- Integrated wire cutter
- Lamella knife also suitable for special insulation
- Cutting capacity up to ≤6 mm² (flexible conductor)
- Length 160 mm

Type	Item no.	Blade type	Application	Cross-section range	
				mm²	AWG
WIREFOX 2.5	1212368		Standard	0.08 ... 2.5	28 ... 12

WIREFOX stripping tools

Stripping pliers for special cables

- Automatic adjustment mechanism
- Replaceable stripping blade
- Any stripping length
- Length 165 mm

Type	Item no.	Cable	Application	Diameter
WIREFOX SAC	1212623		Standard, PUR, TPE	4.4 mm ... 7 mm
WIREFOX SAC-1	1212757			3.2 mm ... 4.4 mm
WIREFOX ASI	1212154			0 mm ... 1.9 mm
WIREFOX FC	1212619		Standard	1 mm ... 1.9 mm
WIREFOX-D SHIELD	1212172			8 mm ... 9 mm

Type	Item no.	Cable	Application	Cross-section range	
				mm²	AWG
WIREFOX 16-1	1212157		Standard	6 ... 16	10 ... 5

Blade types	
	Flat blade
	Circular blade
	V blade

Conductor/cable types	
	Multi-conductor
	ASI cable
	Standard conductor
	Flat cable

WIREFOX stripping tools

Stripping pliers

Information			Properties
Type	Item no.	WIREFOX-MP VDE 1212528	• Integrated diagonal cutter with additional sheath area • VDE tested
Cross-section		0.2 mm² ... 10 mm² // AWG 24 ... 8	
Length		190 mm	
Weight		246 g	
Application		Standard, aluminum, copper, piano wire	

Information			Properties
Type	Item no.	WIREFOX 10 VDE 1212366	• Spring reset • Ergonomic two-component handle • Scale for measuring the stripping length • VDE tested
Cross-section		0.2 mm² ... 10 mm² // AWG 24 ... 8	
Length		160 mm	
Weight		175 g	
Application		Standard, silicone, rubber	

Stripping pliers / stripping tools

Information			Properties
Type	Item no.	WIREFOX-D 11 1212160	• Removing the sheath from multi-core signal, control, and fiberglass cables • Replaceable stripping blade
Diameter		2.5 mm ... 11 mm	
Insulation thickness		1 mm	
Length		90.5 mm	
Weight		28 g	
Application		Standard, special insulation	

Information			Properties
Type	Item no.	WIREFOX-D 40 1212161	• Stripping with longitudinal, spiral, and round cut • Replaceable stripping blade
Diameter		4.5 mm ... 40 mm	
Insulation thickness		4.5 mm	
Length		167 mm	
Weight		116 g	
Application		Standard	

Information			Properties
Type	Item no.	WIREFOX-D 13 1212162	• With opening protection • Removing the sheath and stripping standard round cables • Integrated cable knife • Longitudinal cutting function
Cross-section		0.2 mm² ... 4 mm² // AWG 24 ... 12	
Diameter		8 mm ... 13 mm	
Length		125 mm	
Weight		46.5 g	
Application		Standard	

WIREFOX stripping tools

Stripping pliers / stripping tools

- Freely movable blade
- Replaceable stripping blade
- Length 131.5 mm

Type	Item no.	Diameter	Insulation thickness	Stripping length
WIREFOX-D 16	1212173	4 mm ... 16 mm	3 mm	100 mm
WIREFOX-D 28	1212174	8 mm ... 28 mm	3 mm	100 mm

Stripping pliers / stripping tools for special cables

- Stripping commercially available solar cables
- Stripping of MC3, MC4, and SOLARLOK contacts, as well as short-circuit-proof conductors
- Length 83 mm

Type	Item no.	Cross-section range		Contact connection type	Stripping length
		mm²	AWG		
WIREFOX-D SR 6	1212507	2.5 ... 6	14 ... 10	MC3, MC4, and SOLARLOK contacts	8.5 mm
WIREFOX-D SR 6-1	1212511	2.5 ... 6	14 ... 10	SUNCLIX contacts	15 mm
WIREFOX-D CX 6,35	1212733	1.5 ... 6	16 ... 10	Coaxial connectors	6.35 mm

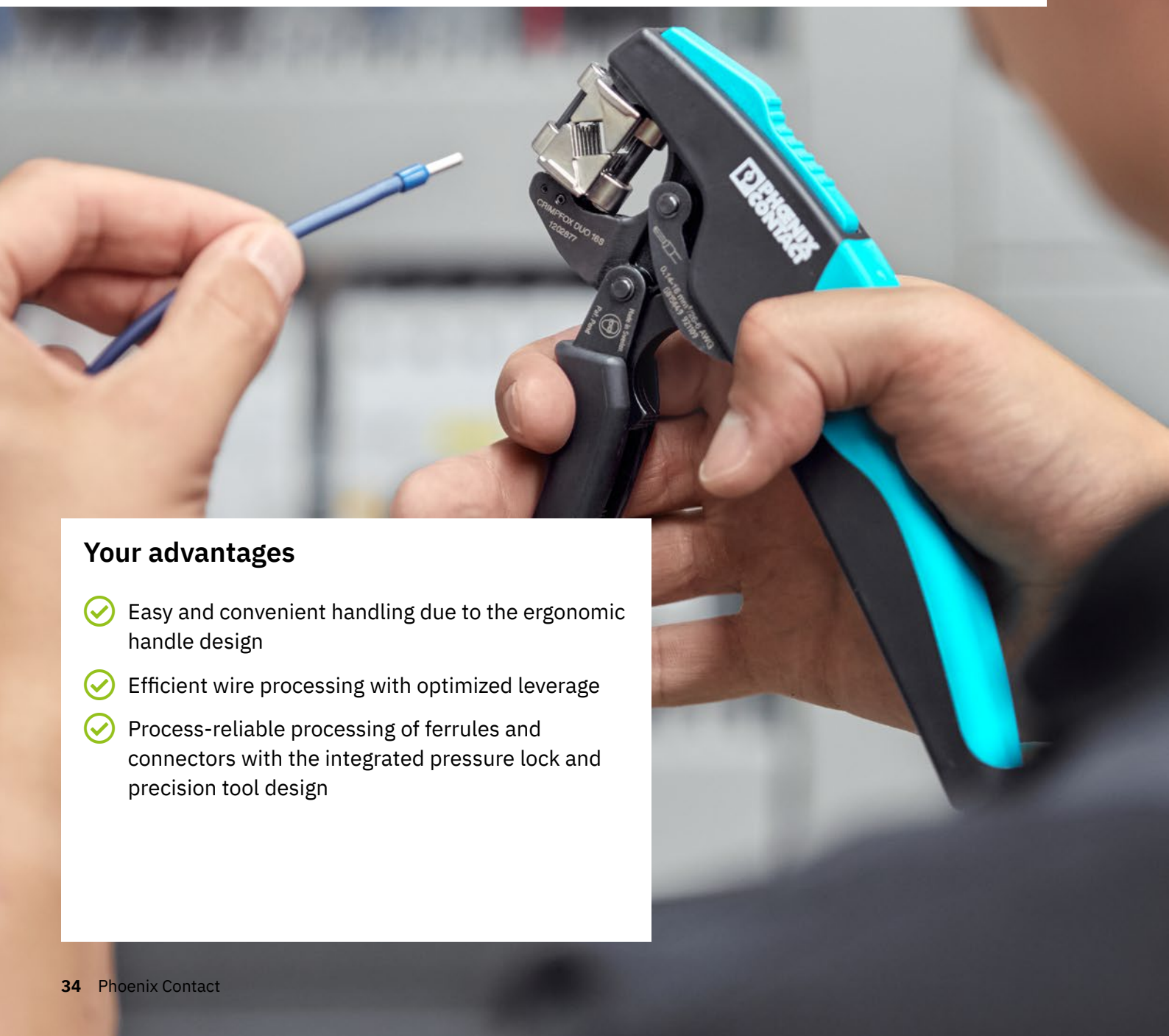
Stripping tools for multi-stage stripping

- Stripping commercially available coaxial cables
- Replaceable stripping blade
- Multi-stage stripping in just one step
- Length 90 mm

Type	Item no.	Diameter	Strip-off stages	Strip-off dimension
WIREFOX-D CX-1	1212163	2.5 mm ... 7.6 mm	2-stage	l1= 6.0 mm
WIREFOX-D CX-2	1212164			l1= 9.2 mm
WIREFOX-D CX-3	1212165			l1= 12 mm
WIREFOX-D CX-4	1212166			l1= 6.8 mm
WIREFOX-D CX-5	1212167		3-stage	l1= 5.5 mm l2= 5.5 mm
WIREFOX-D CX-6	1212168			l1= 2.7 mm l2= 8.3 mm
WIREFOX-D CX-7	1212169			l1= 6.0 mm l2= 6.0 mm
WIREFOX-D CX-8	1212170			l1= 2.5 mm l2= 6.8 mm
WIREFOX-D CX-9	1212171			l1= 3.5 mm l2= 7.5 mm

CRIMPFOX crimping tools

With the crimping tools from the CRIMPFOX product family, you can process any contact connection type – ferrule, cable lug or coaxial connector – professionally and safely. Optimized leverage and the ergonomic geometry of the crimping tool handle enables fatigue-free and convenient working. The integrated pressure lock ensures long-term stable, high-quality, gas-tight quality crimping.



Your advantages

- Easy and convenient handling due to the ergonomic handle design
- Efficient wire processing with optimized leverage
- Process-reliable processing of ferrules and connectors with the integrated pressure lock and precision tool design

Professional crimping

Crimping pliers

The crimping pliers from Phoenix Contact ensure the reliable and precise processing of ferrules, cable lugs, connectors, and many other contact material types. With their ergonomic design and high-quality materials, the crimping pliers provide optimum power transmission and ensure comfortable working.

Self-setting crimping pliers

The self-setting crimp mechanism ensures ideal, reproducible crimping results. The integrated pressure lock ensures that the process is fully completed. In addition, the pliers also cover a large cross-section range.

“Four-mandrel” crimping pliers

With the universal setting option, the CRIMPFOX-TC MP “four-mandrel” crimping pliers enable the precision processing of a large number of turned contacts. The digital display simplifies setting of the crimping dimension.

Universal crimping pliers

The universal crimping pliers are characterized by the quick, tool-free replacement of the crimp inserts. The receptacle and a variety of different crimping and pressing inserts make them a space-saving universal tool for all applications.

Parallel crimping pliers

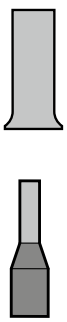
The parallel crimping pliers ensure symmetrical and optimum crimping results through the parallel motion sequences of the dies. The integrated positioning tool ensures that the contacts are perfectly aligned.

Multifunctional crimping pliers

The CRIMPFOX 4 IN 1 multifunctional crimping pliers allow you to handle conductors and ferrules quickly and easily while saving up to 30 percent of working time. Using only one tool, you can implement various work steps: cutting, stripping, twisting, and crimping.

Crimping tools – reference overview

Ferrules for insulated and uninsulated contacts

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX 2.5-M	1212719	0.25 ... 2.5	24 ... 14	45
	CRIMPFOX 6	1212034	0.25 ... 6	24 ... 10	41
	CRIMPFOX 6-M	1212720	0.25 ... 6	24 ... 10	45
	CRIMPFOX 10T-F	1134913	0.14 ... 10 2 x 0.5 ... 2 x 4	26 ... 8 2 x 20 ... 2 x 12	40
	CRIMPFOX 10	1212721	4 ... 10	12 ... 8	43
	CRIMPFOX 25R	1212039	10 ... 25	8 ... 4	43
	CRIMPFOX 50R	1212041	35 ... 50	2 ... 1/0	43
	CRIMPFOX 16R TWIN	1212845	2 x 6 ... 2 x 16	2 x 10 ... 2 x 6	43
	CRIMPFOX CENTRUS 6S	1213144	0.14 ... 6 2 x 0.5 ... 2 x 4	26 ... 10 2 x 20 ... 2 x 12	40
	CRIMPFOX CENTRUS 6S-NC	1202882	0.14 ... 6 2 x 0.5 ... 2 x 4	26 ... 10 2 x 20 ... 2 x 12	40
	CRIMPFOX CENTRUS 10S	1213154	0.14 ... 10 2 x 0.5 ... 2 x 4	26 ... 8 2 x 20 ... 2 x 12	40
	CRIMPFOX CENTRUS 6H	1213146	0.14 ... 6 2 x 0.5 ... 2 x 4	26 ... 10 2 x 20 ... 2 x 12	40
	CRIMPFOX CENTRUS 6H-NC	1202883	0.14 ... 6 2 x 0.5 ... 2 x 4	26 ... 10 2 x 20 ... 2 x 12	40
	CRIMPFOX CENTRUS 10H	1213156	0.14 ... 10 2 x 0.5 ... 2 x 4	26 ... 8 2 x 20 ... 2 x 12	40
	CRIMPFOX DUO 10	1031721	0.14 ... 10 2 x 0.5 ... 2 x 4	26 ... 8 2 x 20 ... 2 x 12	40
	CRIMPFOX DUO 16S	1202877	0.14 ... 16 2 x 0.5 ... 2 x 6	26 ... 6 2 x 20 ... 2 x 10	40
	CRIMPFOX VARIO 4S	1108766	0.25 ... 4 2 x 0.5 ... 2 x 1.5	24 ... 12 2 x 20 ... 2 x 16	41
	CRIMPFOX VARIO 16S	1108767	6 ... 16	10 ... 6	41

Cable lugs and connectors

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX-RCI 1	1212055	0.14 ... 1	26 ... 18	41
	CRIMPFOX-RCI 1-M	1212727	0.14 ... 1	26 ... 18	45
	CRIMPFOX-RCI 2.5	1212053	0.5 ... 2.5	20 ... 14	41
	CRIMPFOX-RCI 2.5-M	1212728	0.5 ... 2.5	20 ... 14	45
	CRIMPFOX-RCI 6	1212057	0.5 ... 6	20 ... 10	43
	CRIMPFOX-RCI 6-M	1212730	0.5 ... 6	20 ... 10	45
	CRIMPFOX-RCI DIN 6	1212729	0.5 ... 6	20 ... 10	43
	CRIMPFOX-RCI 6-1	1212059	0.5 ... 6	20 ... 10	43
	CRIMPFOX-HS 6	1212722 [2]	0.5 ... 6	20 ... 10	43

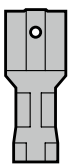
[2] Also for shrink connectors

Crimping tools – reference overview

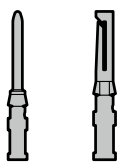
Uninsulated cable lugs and tubular cable lugs

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX-RC 2.5	1212063	0.34 ... 2.5	22 ... 14	41
	CRIMPFOX-RC 2.5-M	1212723	0.34 ... 2.5	22 ... 14	45
	CRIMPFOX-RC 6	1212710	0.35 ... 6	22 ... 10	41
	CRIMPFOX-RC 6-M	1212724	0.34 ... 6	22 ... 10	45
	CRIMPFOX-RC 10	1212061	4 ... 10	12 ... 8	43
	CRIMPFOX-RC 25	1212065	10 ... 25	8 ... 4	43
	CRIMPFOX-RCT 16-1	1212731 [1]	4 ... 16	11 ... 5	44
	CRIMPFOX-RCT 25-1	1212066 [1]	10 ... 25	8 ... 4	43
	CRIMPFOX-RCT 70-1	1212732 [1]	10 ... 70	8 ... 2/0	44

Uninsulated slip-on sleeves and spade connectors

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX-SC 1.5	1212048	0.1 ... 1.5	26 ... 16	41
	CRIMPFOX-SC 1,5-M	1212725	0.1 ... 1.5	26 ... 16	45
	CRIMPFOX-SC 6L	1212052	0.5 ... 6	20 ... 10	43
	CRIMPFOX-SC 6	1212050	0.5 ... 6	20 ... 10	43
	CRIMPFOX-SCA 2,5-M	1212726	1 ... 2.5	18 ... 14	45

Turned contacts

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX-TC HC 4	1297083	0.14 ... 4	26 ... 12	43
	CRIMPFOX-TC HC 10	1314533	6 ... 10	10 ... 8	43
	CRIMPFOX-TC MP	1212510	0.08 ... 2.5	28 ... 14	46
	CRIMPFOX-TC MP-1	1212620	0.08 ... 2.5	28 ... 14	46

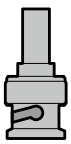
[1] For tubular cable lugs

Crimping tools – reference overview

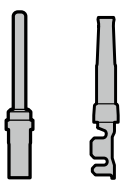
Reel ferrules

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX 4 IN 1	1200101	0.5 ... 2.5	20 ... 14	42

Coaxial / FO connectors

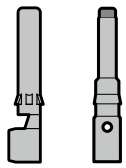
	Crimping tool designation	Item no.	Crimping dimension	Page
			mm	
	CRIMPFOX-FO 5,41	1212099	3.25 / 3.84 / 5.41 / 5.00 / 4.52	44
	CRIMPFOX-CX 4,52	1212094	3.25 / 4.52 / 1.69	41
	CRIMPFOX-CX 6,48	1212095	5.41 / 6.48 / 1.69	41
	CRIMPFOX-CX 9,14	1212096	8.23 / 9.14 / 1.73	44
	CRIMPFOX-CX 10,54	1212097	10.54 / 2.54	44
	CRIMPFOX-CX 10,90	1212098	10.90 / 2.54	44
	CRIMPFOX-CX 4,52-M	1212713	3.25 / 4.52 / 1.69	45
	CRIMPFOX-CX 5,41-M	1212712	3.25 / 4.52 / 5.41 / 1.69 / 1.07	45
	CRIMPFOX-CX 6,48-M	1212714	5.41 / 6.48 / 1.69	45
	CRIMPFOX-CX 7,06 HD-M	1212718	4.52 / 6.48 / 7.06 / 1.68 / 1.04	45
	CRIMPFOX-CX 10,90-1	1212715	5.41 / 10.90 / 2.54 / 1.69	44
	Crimping tool designation	**Item no.**	**Crimping dimension**	**Page**
			mm	
	CRIMPFOX-CATV 8,23	1212716	8.23 / 1.69	44
	CRIMPFOX-CATV 8,23-1	1212717	6.65 / 8.23 / 9.70	44

D-SUB contacts

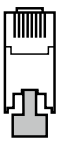
	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX-DSUB 5	1212111	0.08 ... 0.5	28 ... 20	41
	CRIMPFOX-DSUB 5-1	1212711	0.08 ... 0.5	28 ... 20	41
	CRIMPFOX-TC MP	1212510	0.08 ... 2.5	28 ... 14	46

Crimping tools – reference overview

Solar connectors

	Crimping tool designation	Item no.	Cross-section range		Page
			mm²	AWG	
	CRIMPFOX-SR 6-1	1212467	2.5 … 6	14 … 10	43
	CRIMPFOX-SR 6-2	1212468	2.5 … 6	14 … 10	43
	CRIMPFOX-SR 6-3	1212469	2.5 … 6	14 … 10	43
	CRIMPFOX-P SR 6	1212755	2.5 … 6	14 … 10	46

Data connectors

	Crimping tool designation	Item no.	Data connector types	Page
	CRIMPFOX-C D	1212734	RJ11, 22, 45, 45U / 10P / MMJ	47

Crimping shape	
	Trapezoidal crimp
	Square crimp
	Hex crimp/hexagonal
	B crimp
	Indent crimp
	Double-indent crimp
	WM crimp
	Four-mandrel crimp
	Oval crimp

Connector		
Ferrule, uninsulated	Slip-on sleeve, uninsulated	DMCC connector
Ferrule, insulated	D-SUB contact (male)	Angled slip-on sleeve (left)
TWIN ferrule	D-SUB contact (female)	Angled slip-on sleeve (right)
Cable lug, uninsulated	PV crimp contact (male)	FBS plug-in bridge
Cable lug, insulated	PV crimp contact (female)	
Turned contact (male)	Spade connector	
Turned contact (female)	Tubular cable lug	
Coaxial / FO connector	Rolled contact (male)	
Data connector	COMBICON crimp connector	

CRIMPFOX crimping tools

Self-setting crimping pliers

- Self-adjusting crimping die
- Integrated fall protection
- Compact, lightweight, and optimally balanced
- Low grip span
- Ergonomic two-component handle
- Low actuation force
- Suitable for TWIN ferrules
- Handle with non-slip pad
- Tool-free unlockable pressure lock
- Length 180 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX CENTRUS 6S	1213144 [1)]			0.14 ... 6 2 x 0.5 ... 2 x 4	26 ... 10 2 x 20 ...2 x 12
CRIMPFOX CENTRUS 6H	1213146 [1)]				
CRIMPFOX CENTRUS 10S	1213154 [1)]			0.14 ... 10 2 x 0.5 ... 2 x 4	26 ... 8 2 x 20 ...2 x 12
CRIMPFOX CENTRUS 10H	1213156 [1)]				

- Self-adjusting crimping die
- Clear view into the crimping area
- Compact, lightweight, and optimally balanced
- Low grip span
- Ergonomic two-component handle
- Low actuation force
- Suitable for TWIN ferrules
- Handle with non-slip pad
- Tool-free unlockable pressure lock
- Length 175 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX CENTRUS 6S-NC	1202882 [1)]			0.14 ... 6 2 x 0.5 ... 2 x 4	26 ... 10 2 x 20 ...2 x 12
CRIMPFOX CENTRUS 6H-NC	1202883 [1)]				

- Rotating, self-adjusting crimping die (duo versions)
- Compact, lightweight, and optimally balanced
- Low grip span
- Ergonomic two-component handle
- Low actuation force
- Suitable for TWIN ferrules
- Handle with non-slip pad
- Tool-free unlockable pressure lock
- Length 180 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX 10T-F	1134913			0.14 ... 10 2 x 0.5 ... 2 x 4	26 ... 8 2 x 20 ...2 x 12
CRIMPFOX DUO 10	1031721 [1)]				
CRIMPFOX DUO 16S	1202877			0.14 ... 16 2 x 0.5 ... 2 x 6	26 ... 6 2 x 20 ... 2 x 10

CRIMPFOX crimping tools

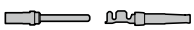
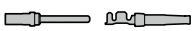
Self-setting crimping pliers

- Optimum square crimping shape
- Low actuation force
- Tool-free unlockable pressure lock
- Crimping force can be readjusted
- Suitable for TWIN ferrules
- Length 190 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX VARIO 4S	1108766			0.25 ... 4 2 x 0.5 ... 2 x 1.5	24 ... 12 2 x 20 ... 2 x 16
CRIMPFOX VARIO 16S	1108767			6 ... 16	10 ... 6

Crimping pliers

- Compact design
- Low grip span
- Ergonomic two-component handle
- Tool-free unlockable pressure lock
- Crimping force can be readjusted
- Length 198 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX 6	1212034[1]			0.25 ... 6	24 ... 10
CRIMPFOX-RCI 1	1212055			0.14 ... 1	26 ... 18
CRIMPFOX-RCI 2.5	1212053			0.5 ... 2.5	20 ... 14
CRIMPFOX-RC 2.5	1212063			0.34 ... 2.5	22 ... 14
CRIMPFOX-RC 6	1212710			0.35 ... 6	22 ... 10
CRIMPFOX-SC 1.5	1212048			0.1 ... 1.5	26 ... 16
CRIMPFOX-DSUB 5	1212111			0.08 ... 0.5	28 ... 20
CRIMPFOX-DSUB 5-1	1212711				

Type	Item no.	Connector	Crimp	Die station
				1 / 2 / 3
CRIMPFOX-CX 4,52	1212094			3.25 mm / 4.52 mm / 1.69 mm
CRIMPFOX-CX 6,48	1212095			5.41 mm / 6.48 mm / 1.69 mm

[1] Approved connection in accordance with UL 486F with marked Phoenix Contact ferrules

CRIMPFOX crimping tools

Multifunctional crimping pliers

- Cutting, stripping, twisting, and crimping in one tool
- Tool-free magazine change for ferrules
- Length stop for stripping
- With pressure lock
- Length 180 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX 4 IN 1	1200101 [1)]			0.5 ... 2.5	20 ... 14

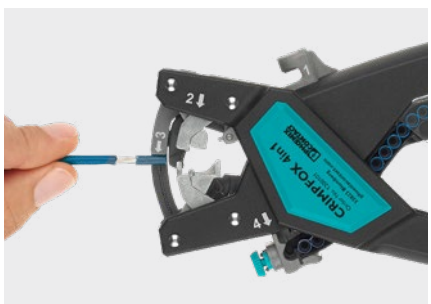
CRIMPFOX 4 IN 1 – one tool, four functions

The CRIMPFOX 4 IN 1 multifunctional crimping pliers allow you to handle conductors and ferrules quickly and easily while saving up to 30 percent of working time. Using only one tool, you can implement various work steps: cutting, stripping, twisting, and crimping.

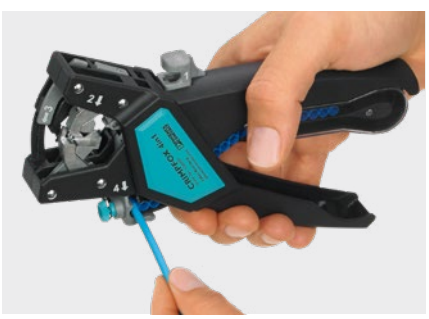
An effective handling process enables all steps to be performed without putting the tool down. The cross-section can be conveniently changed throughout the range of 0.5 to 2.5 mm² in a matter of seconds by replacing the ferrule magazine which is equipped with taped products.

1. Cutting

2. Stripping



3. Twisting



4. Crimping

CRIMPFOX crimping tools

Crimping pliers

- Low actuation force
- Long handle for cross-sections up to 50 mm²
- Ergonomic two-component handle
- Tool-free unlockable pressure lock
- Handle with non-slip pad
- Crimping force can be readjusted
- Fastening lug for safety tape
- Length 256 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX 10	1212721			4 ... 10	12 ... 8
CRIMPFOX 25R	1212039 [1]			10 ... 25	8 ... 4
CRIMPFOX 50R	1212041 [1]			35 ... 50	2 ... 1/0
CRIMPFOX 16R TWIN	1212845			2 x 6 ... 2 x 16	2 x 10 ... 2 x 6
CRIMPFOX-RCI 6	1212057			0.5 ... 6	20 ... 10
CRIMPFOX-RCI 6-1	1212059				
CRIMPFOX-RCI DIN 6	1212729				
CRIMPFOX-HS 6	1212722 [2]				
CRIMPFOX-RC 10	1212061			4 ... 10	12 ... 8
CRIMPFOX-RC 25	1212065			10 ... 25	8 ... 4
CRIMPFOX-RCT 25-1	1212066				
CRIMPFOX-SC 6	1212050			0.5 ... 6	20 ... 10
CRIMPFOX-SC 6L	1212052				
CRIMPFOX-TC HC 4	1297083			0.14 ... 4	26 ... 12
CRIMPFOX-TC HC 10	1314533			6 ... 10	10 ... 8
CRIMPFOX-SR 6-1	1212467			2.5 ... 6	14 ... 10
CRIMPFOX-SR 6-2	1212468				
CRIMPFOX-SR 6-3	1212469				

[1] Approved connection in accordance with UL 486F with marked Phoenix Contact ferrules
[2] Also for shrink connectors

CRIMPFOX crimping tools

Crimping pliers

- Low actuation force
- Long handle for cross-sections up to 50 mm²
- Ergonomic two-component handle
- Tool-free unlockable pressure lock
- Handle with non-slip pad
- Crimping force can be readjusted
- Fastening lug for safety tape
- Length 256 mm

Type	Item no.	Connector	Crimp	Die station
				1 / 2 / 3 / 4 / 5
CRIMPFOX-FO 5,41	1212099			3.25 mm / 3.84 mm / 5.41 mm / 5.00 mm / 4.52 mm
CRIMPFOX-CX 9,14	1212096			8.23 mm / 9.14 mm / 1.73 mm
CRIMPFOX-CX 10,54	1212097			10.54 mm / 2.54 mm
CRIMPFOX-CX 10,90	1212098			10.90 mm / 2.54 mm
CRIMPFOX-CX 10,90-1	1212715			5.41 mm / 10.90 mm / 2.54 mm / 1.69 mm
CRIMPFOX-CATV 8,23	1212716			8.23 mm / 1.69 mm
CRIMPFOX-CATV 8,23-1	1212717			6.65 mm / 8.23 mm / 9.70 mm

- Narrow head area for confined environments
- High gear ratio
- Two-hand operation
- Unlockable pressure lock
- Length 304 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-RCT 16-1	1212731			4 ... 16	11 ... 5

- Asymmetrical crimp inserts for tubular cable lugs (KSF, KRF, KSD, KRD)
- High gear ratio
- Two-hand operation
- With pressure lock
- Length 492 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-RCT 70-1	1212732			10 ... 70	8 ... 2/0

CRIMPFOX crimping tools

Crimping pliers

- Low actuation force
- Compact handle shape
- Ergonomic two-component handle
- Tool-free unlockable pressure lock
- Handle with non-slip pad
- Crimping force can be readjusted
- Fastening lug for safety tape
- Length 204 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX 2.5-M	1212719			0.25 ... 2.5	24 ... 14
CRIMPFOX 6-M	1212720			0.25 ... 6	24 ... 10
CRIMPFOX-RCI 1-M	1212727			0.14 ... 1	26 ... 18
CRIMPFOX-RCI 2.5-M	1212728			0.5 ... 2.5	20 ... 14
CRIMPFOX-RCI 6-M	1212730			0.5 ... 6	20 ... 10
CRIMPFOX-RC 2.5-M	1212723			0.34 ... 2.5	22 ... 14
CRIMPFOX-RC 6-M	1212724			0.34 ... 6	22 ... 10
CRIMPFOX-SC 1,5-M	1212725			0.1 ... 1.5	26 ... 16
CRIMPFOX-SCA 2,5-M	1212726			1 ... 2.5	18 ... 14

Type	Item no.	Connector	Crimp	Die station
				1 / 2 / 3 / 4 / 5
CRIMPFOX-CX 7,06 HD-M	1212718			4.52 mm / 6.48 mm / 7.06 mm / 1.68 mm / 1.04 mm
CRIMPFOX-CX 4,52-M	1212713			3.25 mm / 4.52 mm / 1.69 mm
CRIMPFOX-CX 5,41-M	1212712			3.25 mm / 4.52 mm / 5.41 mm / 1.69 mm / 1.07 mm
CRIMPFOX-CX 6,48-M	1212714			5.41 mm / 6.48 mm / 1.69 mm

CRIMPFOX crimping tools

Digital “four-mandrel” crimping pliers

- Universal cross-section setting with digital display
- Electronic wear monitoring
- With positioning tool, replaceable
- For various Phoenix Contact contacts – see technical documentation
- Unlockable pressure lock
- Length 175 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-TC MP	1212510			0.08 ... 2.5	28 ... 14
CRIMPFOX-TC MP-1	1212620				
CRIMPFOX-TC MP-6	1202888			0.14 ... 6	26 ... 10

Parallel crimping pliers

- The integrated positioning tool ensures that the contacts are perfectly aligned
- Precision-manufactured dies ensure consistently high levels of quality during contact processing
- Parallel motion sequences of the dies for symmetrical and optimum crimping results
- High crimping force with low manual force
- Marked die stations for precise processing of corresponding cross-sections
- Length 233 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-P CK 1.6 ER 2.5 OIC-L	1069228			0.34 ... 2.5	22 ... 14
CRIMPFOX-P CC 0.75 L	1064998			0.14 ... 0.75	26 ... 18
CRIMPFOX-P CDC 0.5L	1142831			0.14 ... 0.5	26 ... 20
CRIMPFOX-P CDC 1.5L	1142832			0.5 ... 1.5	20 ... 16
CRIMPFOX-P CDC 2.5L	1142833			1.5 ... 2.5	16 ... 14

- For flexible class 5 cables in accordance with IEC 60228
- Precision-manufactured dies ensure consistently high levels of quality during contact processing
- Parallel motion sequences of the dies for symmetrical and optimum crimping results
- High crimping force with low manual force
- Length 290 mm

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-P SR 6	1212755			2.5 ... 6	14 ... 10

CRIMPFOX crimping tools

Crimping pliers for data connectors

Information	
Type	CRIMPFOX-C D
Item no.	1212734
Length	200 mm

Properties

- Basic pliers for accommodating dies
- Precise and parallel die guidance
- Made of hardened and alloyed steel
- Unlockable pressure lock

Type	Item no.	Connector	Crimp	Suitable for
CRIMPFOX-C RJ11/DIE	1212735			RJ11 unshielded
CRIMPFOX-C RJ22/DIE	1212736			RJ22 unshielded
CRIMPFOX-C RJ45/DIE	1212737			RJ45 unshielded
CRIMPFOX-C RJ45U/DIE	1212738			
CRIMPFOX-C 10P/DIE	1212739			Universal
CRIMPFOX-C MMJ/DIE	1212740			MMJ
Type	**Item no.**	**Connector**	**Crimp**	**Suitable for**
CRIMPFOX-C DMCC 1P/DIE	1235253			DMCC 0,5 housing
CRIMPFOX-C DMCC 2P/DIE	1235259			DMCC 0,5 housing
CRIMPFOX-C DMCC 4P/DIE	1235258			DMCC 0,5 housing
Type	**Item no.**	**Connector**	**Crimp**	**Data line diameter**
CRIMPFOX-C DMCC 4/DIE	1456920			3.5 mm ... 4 mm
CRIMPFOX-C DMCC 7/DIE	1235256			5.7 mm ... 6 mm
CRIMPFOX-C DMCC 5/DIE	1235257			5.2 mm ... 5.5 mm

CRIMPFOX crimping tools

Universal crimping pliers

Information	
Type	CRIMPFOX-M
Item no.	1212072
Cross-section	0.1 mm² ... 50 mm²
Length	234 mm

Properties

- Space-saving basic pliers for use in servicing
- For accommodating various dies
- Parallel crimping process
- Tool-free die change
- Tool-free unlockable pressure lock
- Fastening lug for safety tape

CRIMPFOX-M dies

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-M 10/DIE	1212080			0.25 ... 10	24 ... 8
CRIMPFOX-M 25/DIE	1212081			16 ... 25	6 ... 4
CRIMPFOX-M 50/DIE	1212082			35 ... 50	2 ... 0
CRIMPFOX-M RCI 6/DIE	1212073			0.1 ... 6	26 ... 10
CRIMPFOX-M HS-1/DIE	1212282 [1)]			0.32 ... 6	22 ... 10
CRIMPFOX-M HS/DIE	1219092 [1)]			0.5 ... 2.5	20 ... 14
CRIMPFOX-M RCI 2,5/DIE	1212074			0.5 ... 2.5	20 ... 14
CRIMPFOX-M RC 2.5/DIE	1212078			0.75 ... 2.5	18 ... 14
CRIMPFOX-M RC 6/DIE	1212079			0.5 ... 6	20 ... 10
CRIMPFOX-M RC 10/DIE	1212077			4 ... 10	12 ... 8
CRIMPFOX-M RC 10-1/DIE	1212744			4 ... 10	12 ... 8
CRIMPFOX-M SC 1/DIE	1212083			0.1 ... 1	26 ... 18
CRIMPFOX-M SC 2.5/DIE	1212084			0.5 ... 2.5	22 ... 14
CRIMPFOX-M SC 6/DIE	1212085			0.5 ... 6	22 ... 10
CRIMPFOX-M SC 6-FL/DIE	1212741			0.5 ... 6	22 ... 10
CRIMPFOX-M SCA 2,5/DIE	1212742			1 ... 2.5	18 ... 14
CRIMPFOX-M SCA 2,5-1/DIE	1212743			1 ... 2.5	18 ... 14
CRIMPFOX-M RJ45/DIE	1212090				
CRIMPFOX-M RJ11/DIE	1212091				

CRIMPFOX crimping tools

CRIMPFOX-M dies				
Type	Item no.	Connector	Crimp	Die station
				1 / 2 / 3 / 4
CRIMPFOX-M FO/DIE	1212086			3.25 mm / 3.84 mm / 4.52 mm / 5.41 mm
CRIMPFOX-M CX-1/DIE	1212087			0.70 mm / 1.69 mm / 3.25 mm / 4.52 mm
CRIMPFOX-M CX-2/DIE	1212088			1.69 mm / 5.41 mm / 6.48 mm
CRIMPFOX-M CX-3/DIE	1212089			8.23 mm / 9.14 mm
CRIMPFOX-M CX-4/DIE	1212745			1.73 mm / 6.48 mm / 8.23 mm
CRIMPFOX-M CX-5/DIE	1212746			0.68 mm / 3.25 mm / 3.85 mm
CRIMPFOX-M CX-6/DIE	1212747			1.07 mm / 6.48 mm / 8.23 mm
CRIMPFOX-M CX-7/DIE	1212748			1.72 mm / 5.41 mm
CRIMPFOX-M CX-8/DIE	1212749			1.72 mm / 8.23 mm
CRIMPFOX-M CX-9/DIE	1212750			1.72 mm / 3.25 mm / 4.30 mm / 5.41 mm
CRIMPFOX-M CX-10/DIE	1212751			1.20 mm / 3.25 mm / 4.52 mm / 5.41 mm
CRIMPFOX-M CX-11/DIE	1212752			1.73 mm / 2.03 mm / 2.54 mm / 10.90 mm
CRIMPFOX-M CX-12/DIE	1212753			1.46 mm / 5.18 mm / 6.81 mm

[1] Also for shrink connectors

CRIMPFOX-M set

The CRIMPFOX-M is also available as a set. The set (item no.: 1212093) includes an additional four dies for:

- Insulated cable lugs 0.5 ... 2.5 mm² (1212074)
- Uninsulated tubular cable lugs 0.5 ... 6 mm² (1212079)
- Ferrules 0.25 ... 10 mm² (1212080)
- Ferrules 16 ... 25 mm² (1212081)

For further information, please visit the online shop.

CRIMPFOX crimping tools

Universal crimping pliers

Information	
Type	CRIMPFOX-C50
Item no.	1212340
Cross-section	6 mm² ... 70 mm²
Length	280 mm

Properties

- Basic pliers for accommodating dies
- Joint head for bulky connector shapes
- With ratchet mechanism
- Unlockable pressure lock
- Robust and long-lasting

CRIMPFOX-C 50 dies

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-C50 RCT 35-1/DIE	1212341			35	2
CRIMPFOX-C50 RCT 50-1/DIE	1212342			50	1/0
CRIMPFOX-C50 RC 35/M-DIE	1212343 [1]			6 ... 35	11 ... 2
CRIMPFOX-C50 RC 25/F-DIE	1212344 [2]			25	3
CRIMPFOX-C50 RC 35/F-DIE	1212345 [2]			35	2
CRIMPFOX-C50 RCI 10/DIE	1212346			10	8
CRIMPFOX-C50 RCI 16/DIE	1212347			16	6
CRIMPFOX-C50 RCI 25/DIE	1212348			25	4
CRIMPFOX-C50 R25-35/DIE	1212349			25 ... 35	3 ... 2
CRIMPFOX-C50 R35-50/DIE	1212350			35 ... 50	2 ... 1/0
CRIMPFOX-C50 R50-70/DIE	1212351			50 ... 70	1/0 ... 2/0

[1] Upper die part
[2] Lower die part

CRIMPFOX crimping tools

Universal crimping pliers

Information	
Type	CRIMPFOX-C120
Item no.	1212318
Cross-section	6 mm² ... 120 mm²
Length	430 mm

Properties

- Basic pliers for accommodating dies
- Joint head for bulky connector shapes
- With ratchet mechanism
- Two-hand operation
- Unlockable pressure lock
- Robust and long-lasting

CRIMPFOX-C 120 dies

Type	Item no.	Connector	Crimp	Cross-section range	
				mm²	AWG
CRIMPFOX-C120 AI 70/M-DIE	1212335 [1]			50 ... 70	1/0 ... 2/0
CRIMPFOX-C120 AI 95/M-DIE	1212336 [1]			95	3/0
CRIMPFOX-C120 AI 50/F-DIE	1212337 [2]			50	1/0
CRIMPFOX-C120 AI 70/F-DIE	1212338 [2]			70	2/0
CRIMPFOX-C120 AI 95/F-DIE	1212339 [2]			95	3/0
CRIMPFOX-C120 RCI 10/DIE	1212327			10	7
CRIMPFOX-C120 RCI 16/DIE	1212328			16	5
CRIMPFOX-C120 RCI 25/DIE	1212329			25	3
CRIMPFOX-C120 RCI 35/DIE	1212330			35	2
CRIMPFOX-C120 RC 50/F-DIE	1212333 [2]			6 ... 50	16 ... 1/0
CRIMPFOX-C120 RC 70/M-DIE	1212331 [1]			6 ... 70	16 ... 2/0
CRIMPFOX-C120 RC 35/F-DIE	1212332 [2]			10 ... 35	7 ... 2
CRIMPFOX-C120 RC 70/F-DIE	1212334 [2]			10 ... 70	7 ... 2/0
CRIMPFOX-C120 RCT 70-1/DIE	1212319			10 ... 70	7 ... 2/0
CRIMPFOX-C120 RCT 35-1/DIE	1212320			16 ... 35	5 ... 2
CRIMPFOX-C120 RCT 50-1/DIE	1212321			25 ... 50	3 ... 1/0
CRIMPFOX-C120 RCT 95-1/DIE	1212322			95	3/0
CRIMPFOX-C120 RCT 120-1/DIE	1212323			120	4/0
CRIMPFOX-C120 R25-50/DIE	1212324			25 ... 50	3 ... 1/0
CRIMPFOX-C120 R35-70/DIE	1212325			35 ... 70	2 ... 2/0
CRIMPFOX-C120 R95/DIE	1212326			95	3/0

SCREWFOX screwdriver tools

The screwdrivers from the SCREWFOX product family are tailored to a variety of different screws. This is particularly true of the products in our terminal block range. The ergonomically designed screwdriver handles ensure that the required torque is transferred with a reasonable amount of force. Adjustable torque and cordless screwdrivers complete the product range.

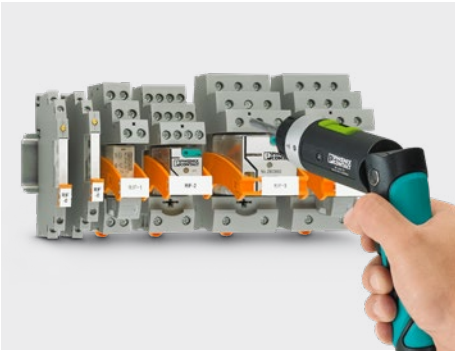
Your advantages

- Durable with specially hardened and tempered screw blades
- High torque transmission with the special two-component handle geometry
- The right tool for every application with our comprehensive product range

Precision at every turn

Screwdrivers

The 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.



Cordless screwdrivers

The SF-ASD 16 cordless screwdriver is a handy tool for connecting conductors to screw connections. You can use the cordless screwdriver in a straight or angled position, even in confined spaces. The 16-step torque setting with a switch for clockwise/counter-clockwise operation integrated into the handle makes the tool not just comfortable, but also versatile and suitable for a wide variety of screwing applications.

Torque screwdrivers

The portfolio includes preset and adjustable torque screwdrivers, which ensure that every screw connection is tightened with a constant force. The precise adjustment of the torque minimizes the risk of overtightening and damage to the screws and components, which increases the safety and durability of the assembled parts.

Attachments for cordless screwdrivers and bit hand holders

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.

Control cabinet keys

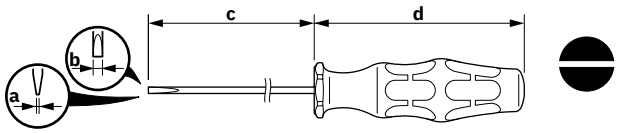
The universal control cabinet keys for all common closures complete the SCREWFOX portfolio.

Sets

With the bit sets in a compact and clear format and equipped with the most common screw bits, you always have the right tool for every situation to hand.

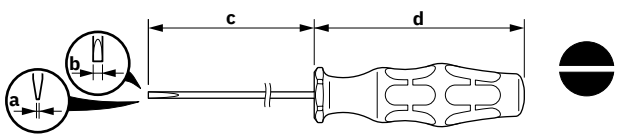
SCREWFOX screwdriver tools

Slot



Type	Item no.	a	b	c	d	Uninsulated	Insulated	Slim
		mm						
SF-SL 0,4X2,0-60	1212546	0.4	2	60	81	•		
SF-SL 0,4X2,5-75	1212547	0.4	2.5	75	81	•		
SF-SL 0,5X3,0-80	1212548	0.5	3	80	69	•		
SF-SL 0,6X3,5-100	1212549	0.6	3.5	100	81	•		
SF-SL 0,6X3,5-200	1212550	0.6	3.5	200	81	•		
SF-SL 0,8X4,0-100	1212551	0.8	4	100	98	•		
SF-SL 1,0X5,5-150	1212552	1	5.5	150	98	•		
SF-SL 1,2X6,5-150	1212553	1.2	6.5	150	105	•		
SZS 0.4X2.5 VDE	1205037	0.4	2.5	80	81		•	
SZS 0.5X3.0 VDE	1207404	0.5	3	100	81		•	
SZS 0.6X2.5 VDE	1205040	0.6	2.5	80	81		•	
SZS 0.6X3.5 VDE	1212602	0.6	3.5	100	81		•	
SZS 0.8X4.0 VDE	1212508	0.8	4	100	98		•	
SZS 1.0X4.0 VDE	1205066	1	4	100	98		•	
SZS 1.0X5.5 VDE	1209114	1	5.5	125	98		•	
SZS 1.0X6.5 VDE	1205079	1	6.5	150	98		•	
SZS 1.2X8.0 VDE	1205082	1.2	8	175	112		•	
SF-SLIC 1,2X7,0-125	1212554	1.2	7	125	105	•		
SF-SLIC 1,6X10-175	1212555	1.6	10	175	112	•		
SF-SL 0,6X3,5-100 S-VDE	1212587	0.6	3.5	100	81		•	•
SF-SL 0,8X4,0-100 S-VDE	1212588	0.8	4	100	98		•	•
SF-SL 1,0X5,5-125 S-VDE	1212589	1	5.5	125	98		•	•

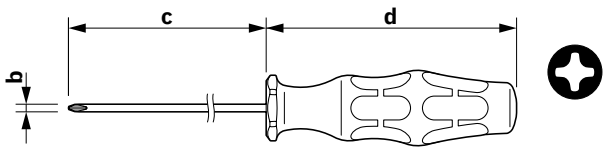
Slotted, with test function



Type	Item no.	a	b	c	d	Uninsulated	Insulated	Slim
		mm						
SF-VT VDE	1212598	0.5	3	65	73		•	

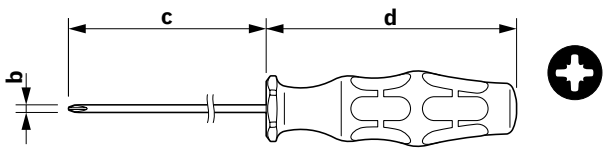
SCREWFOX screwdriver tools

Phillips PH



Type	Item no.	PH	b	c	d	Uninsulated	Insulated	Slim
			mm					
SF-PH 0-60	1212558	0	3	80	81	•		
SF-PH 1-80	1212559	1	4.5	80	81	•		
SF-PH 2-100	1212560	2	6	100	105	•		
SF-PH 3-150	1212561	3	8	150	113	•		
SZK PH0 VDE	1205147	0	3	80	81		•	
SZK PH1 VDE	1205150	1	4.5	80	81		•	
SZK PH2 VDE	1205163	2	6	100	105		•	
SZK PH3 VDE	1212536	3	8	150	113		•	
SF-PH 1-80 S-VDE	1212693	1	4.5	80	81		•	•
SF-PH 2-100 S-VDE	1212694	2	6	100	105		•	•

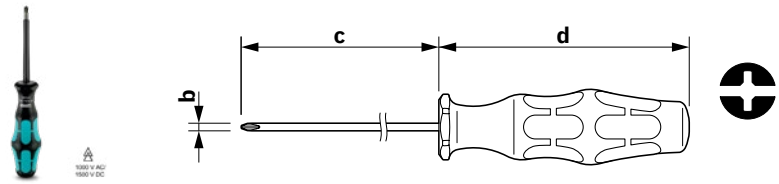
Pozidriv PZ



Type	Item no.	PZ	b	c	d	Uninsulated	Insulated	Slim
			mm					
SF-PZ 0-60	1212562	0	3	80	81	•		
SF-PZ 1-80	1212563	1	3	80	98	•		
SF-PZ 2-100	1212564	2	6	100	105	•		
SF-PZ 3-150	1212565	3	8	150	113	•		
SZK PZ0 VDE	1206447	0	3	80	81		•	
SZK PZ1 VDE	1206450	1	3	80	81		•	
SZK PZ2 VDE	1206463	2	6	100	105		•	
SZK PZ3 VDE	1212599	3	8	150	113		•	
SF-PZ 1-80 S-VDE	1212695	1	3	80	98		•	•
SF-PZ 2-100 S-VDE	1212696	2	6	100	105		•	•

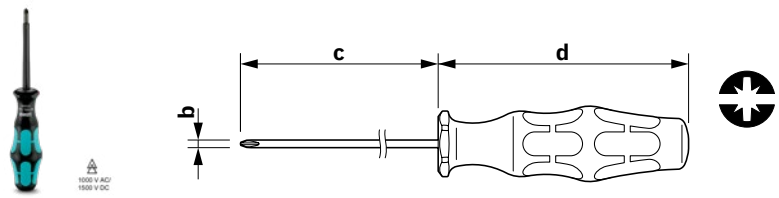
SCREWFOX screwdriver tools

Plus-Minus PH



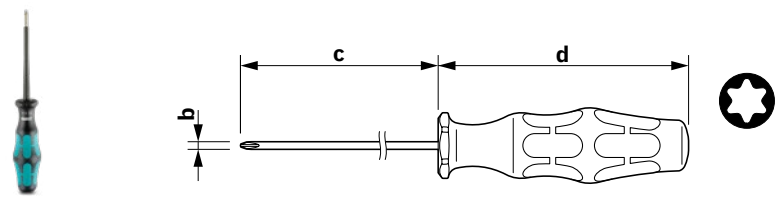
Type	Item no.	PH	b	c	d	Uninsulated	Insulated	Slim
			mm					
SF-PHSL 1-80 VDE	1212283	1	4.5	80	81		•	
SF-PHSL 2-100 VDE	1212288	2	6	100	105		•	

Plus-Minus PZ



Type	Item no.	PZ	b	c	d	Uninsulated	Insulated	Slim
			mm					
SF-PZSL 1-80 VDE	1212556	1	3	80	98		•	
SF-PZSL 2-100 VDE	1212557	2	6	100	105		•	
SF-PZSL 1-80 S-VDE	1212699	1	3	80	98		•	•
SF-PZSL 2-100 S-VDE	1212700	2	6	100	105		•	•

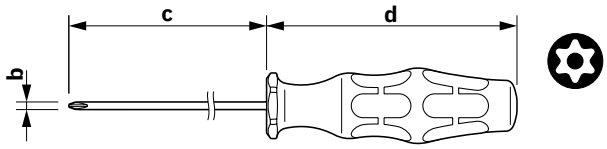
Torx



Type	Item no.	TX	b	c	d	Uninsulated	Insulated	Slim
			mm					
SF-TX 8X80 VDE	1200155	8	8	80	81		•	
SF-TX 10X80 VDE	1200156	10	10	80	81		•	
SF-TX 15X80 VDE	1200157	15	15	80	98		•	
SF-TX 20X80 VDE	1200158	20	20	80	98		•	
SF-TX 25X100 VDE	1200159	25	25	100	105		•	
SF-TX 30X100 VDE	1200160	30	30	100	105		•	

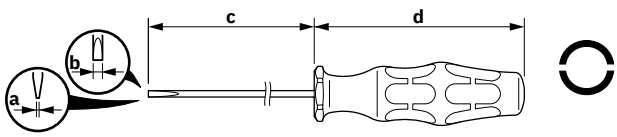
SCREWFOX screwdriver tools

Torx for safety screw connections



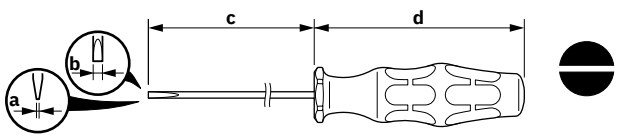
Type	Item no.	TXH	b	c	d	Uninsulated	Insulated	Slim
			mm					
SF-TXH 8X60	1200148	8	8	60	81	•		
SF-TXH 10X80	1200149	10	10	80	81	•		
SF-TXH 15X80	1200150	15	15	80	98	•		
SF-TXH 20X100	1200151	20	20	100	98	•		
SF-TXH 25X100	1200152	25	25	100	105	•		
SF-TXH 30X115	1200153	30	30	115	105	•		
SF-TXH 40X130	1200154	40	40	130	112	•		

SZG – test socket



Type	Item no.	a	b	c	d	Uninsulated	Insulated	Slim
		mm						
SZG 0,6X3,5 VDE	1205121	0.6	3.5	100	98		•	
SZG 0.9X6,5 VDE	1205134	0.9	6.5	175	112		•	

Slotted / actuation tool for ST terminal blocks



Type	Item no.	a	b	c	d	Uninsulated	Insulated	Slim
		mm						
SZF 0-0,4X2,5	1204504	0.4	2.5	75	81	•		
SZF 1-0,6X3,5	1204517	0.6	3.5	100	81	•		
SZF 2-0.8X4.0	1204520	0.8	4	100	98	•		
SZF 3-1.0X5.5	1206612	1	5.5	150	98	•		
SZS 0,6X3,5	1205053	0.6	3.5	100	81	•		
ST-BW 0[1]	1200135	0.4	2.5	81	81		•	
ST-BW[1]	1207608	0.6	3.5	81	81		•	

[1] Angled

SCREWFOX screwdriver tools

Torque screwdrivers

- Two-component handle
- Hexagonal non-slip grip
- With preset torque
- Variety of SAC BIT attachments
- Torque accuracy in accordance with DIN ISO 6789

Type	Item no.	Torque
TSD 02 SAC	1208487	0.2 Nm
TSD 04 SAC	1208429	0.4 Nm
TSD 08 SAC	1212597	0.8 Nm
TSD 20 SAC	1212020	2 Nm
TSD 25 SAC	1212315	2.5 Nm

Nuts

- Compatible with TSD-... torque screwdriver
- Made from high-quality material
- For mounting various connectors or pressure nuts

Type	Item no.	Description
SAC BIT M8-D10	1208461	Nut for mounting M8 connectors with longitudinal knurl and a knurl diameter of 10 mm, for 4 mm hexagonal drive
SACC BIT M8-D12	1208474	Nut for mounting M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive
SAC BIT M12-D15	1208432	Nut for mounting sensor/actuator cables with M12 connector and M12 connectors for assembly, with knurl diameter 15 mm, for 4 mm hexagonal drive
SACC BIT M12-D20	1208445	Nut for mounting M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive
SACC BIT M12-D23	1202885	Nut for mounting M12 connectors for assembly with a knurl diameter of 23 mm, for 4 mm hexagonal drive
SAC BIT MIN-D25	1212512	Nut for mounting 7/8" connectors, with a knurl diameter of 25 mm, with 4 mm hexagonal drive
SAC BIT M12-W14	1212513	Nut for mounting sensor/actuator cables with M12 connector and M12 connectors for assembly, with a hexagonal knurl wrench size of 14 mm, with 4 mm hexagonal drive
SAC BIT QUICKON-W13	1212033	Nut for mounting pressure nuts with 13 mm wrench size, for 4 mm hexagonal drive
SACC BIT M12-W18	1231753	Nut for mounting M12 connectors designed for assembly, with a hexagonal knurl wrench size of 18 mm, with 4 mm hexagonal drive
SAC BIT HOOD-W 24	1212486	Nut for mounting pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive

SCREWFOX screwdriver tools

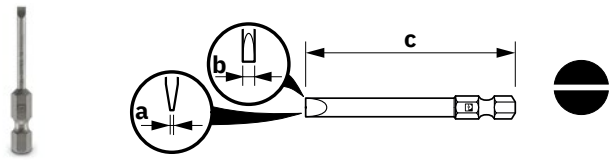
Torque screwdrivers				
Type	TSD-M 1.2NM	TSD-M 3NM	TSD-M 6NM	TSD-M SAC-BIT ADAPTER
Item no.	1212224	1212225	1212226	1212600
Torque	0.3 Nm ... 1.2 Nm	1.2 Nm ... 3 Nm	3 Nm ... 6 Nm	

Bit screwdriver		
Type	SF-M BH	SF-UBH
Item no.	1212070	1212590

Cordless screwdrivers		
Type	SF-ASD 16	SF-ASD 21
Item no.	1200294	1212532
Torque	0.2 Nm ... 4.3 Nm	0.3 Nm ... 4.4 Nm
Battery charging time	60 min	30 min
Battery voltage	3.6 V	3.6 V
Battery capacity	2.00 Ah	1.50 Ah
Length	266 mm	277 mm
Properties	Cordless screwdriver with two-speed gearbox, forward/reverse running and 16-stage clutch with drilling stage of up to 450 rpm	Cordless screwdriver with two-speed gearbox, forward/reverse running and 21-stage clutch with drilling stage of up to 600 rpm

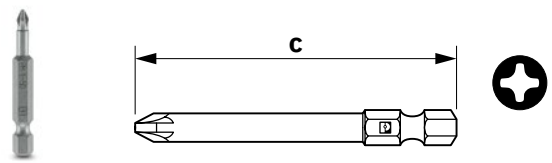
SCREWFOX screwdriver tools

Bits – slotted



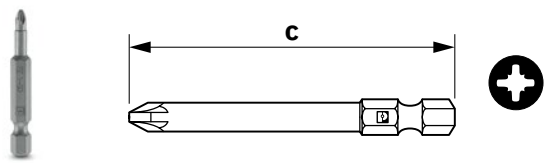
Type	Item no.	a	b	c
		mm		
SF-BIT-SL 0,5X3,0-50	1212566	0.5	3	50
SF-BIT-SL 0,5X3,0-70	1212567	0.5	3	70
SF-BIT-SL 0,6X3,5-50	1212568	0.6	3.5	20
SF-BIT-SL 0,6X3,5-70	1212569	0.6	3.5	70
SF-BIT-SL 0,8X4,0-50	1212571	0.8	4	50
SF-BIT-SL 0,8X4,0-70	1212572	0.8	4	70
SF-BIT-SL 1,0X5,5-50	1212574	1	5.5	50
SF-BIT-SL 1,0X5,5-70	1212575	1	5.5	70
SF-BIT-SL 1,2X6,5-70	1212577	1.2	6.5	70

Bits – Phillips PH



Type	Item no.	PH	c
			mm
SF-BIT-PH 1-50	1212579	1	50
SF-BIT-PH 2-50	1212580	2	50
SF-BIT-PH 3-50	1212581	3	50
SF-BIT-PH 1-70	1212582	1	70
SF-BIT-PH 2-70	1212583	2	70
SF-BIT-PH 3-70	1212584	3	70

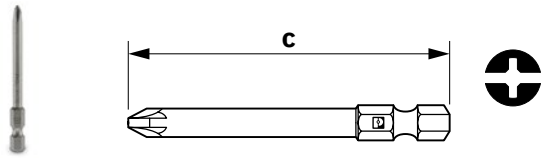
Bits – Pozidriv PZ



Type	Item no.	PZ	c
			mm
SF-BIT-PZ 1-50	1212591	1	50
SF-BIT-PZ 2-50	1212592	2	50
SF-BIT-PZ 3-50	1212593	3	50
SF-BIT-PZ 1-70	1212594	1	70
SF-BIT-PZ 2-70	1212595	2	70
SF-BIT-PZ 3-70	1212596	3	70

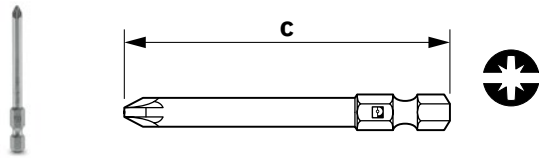
SCREWFOX screwdriver tools

Bits – Plus-Minus PH



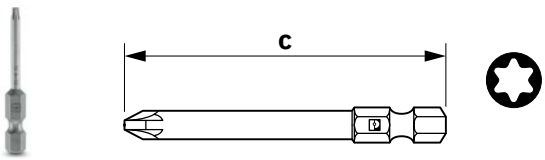
Type	Item no.	PH	c
			mm
SF-BIT-PHSL 1-70	1212479	1	70
SF-BIT-PHSL 2-70	1212601	2	70

Bits – Plus-Minus PZ



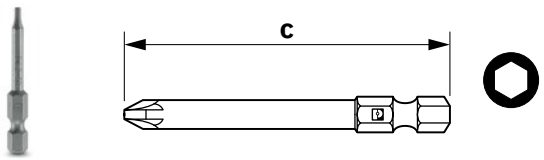
Type	Item no.	PZ	c
			mm
SF-BIT-PZSL 1-70	1212603	1	70
SF-BIT-PZSL 2-70	1212604	2	70

Bits – Torx



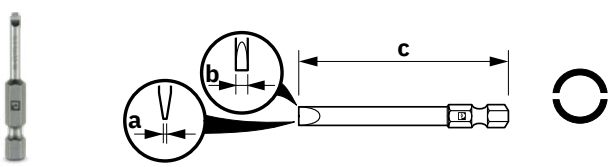
Type	Item no.	TX	c
			mm
SF-BIT-TX 8-50	1212570	8	50
SF-BIT-TX 10-50	1212573	10	50
SF-BIT-TX 15-50	1212576	15	50
SF-BIT-TX 20-50	1212578	20	50
SF-BIT-TX 25-50	1212585	25	50
SF-BIT-TX 30-50	1212586	30	50
SF-BIT-TX 40-50	1200161	40	50

Bits – HEX



Type	Item no.	HEX	c
			mm
SF-BIT-HEX 2-50	1212645	2	50
SF-BIT-HEX 2,5-50	1212646	2.5	50
SF-BIT-HEX 3-50	1212647	3	50
SF-BIT-HEX 4-50	1212648	4	50
SF-BIT-HEX 5-50	1212649	5	50
SF-BIT-HEX 6-50	1212650	6	50
SF-BIT-HEX 8-50	1212651	8	50
SF-BIT-HEX 2-89 S	1200300	2	89
SF-BIT-HEX 2.5-89 S	1200301	2.5	89
SF-BIT-HEX 4-89 S	1200302	4	89
SF-BIT-HEX 5-89 S	1200303	5	89

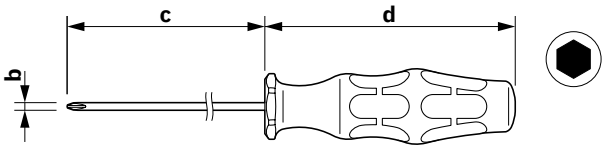
Bits – test sockets



Type	Item no.	a	b	c
		mm		
SF-BIT-SLS 0,6X3,5-50	1212605	0.6	3.5	50
SF-BIT-SLS 0,9X6,5-50	1212606	0.9	6.5	50

SCREWFOX screwdriver tools

Socket wrench



Type	Item no.	b	c	d
		mm		
SHN 5.5	1209855	5.5	70	98
SHN 8	1209868	8	80	105
SHN 13	1209923	13	80	112

Control cabinet keys

Type	USS 4	SF-CCK 9
Item no.	1203149	1212525
Application	Universal control cabinet key	Universal control cabinet key, with strong chain and snap hook

SCREWFOX screwdriver tools

Allen key set

Information		
Type	Item no.	SF-LHEX SET 1212544
Contents		Set includes: AF 1.5, 2, 2.5; 3; 4; 5; 6; 8, and 10 mm, chrome-plated

Information		
Type	Item no.	SF-LTX SET 1200162
Contents		Set includes: TX 8, 9, 10; 15; 20; 25; 27; 30, and 40 mm, chrome-plated

Socket wrench and bit set

Information		
Type	Item no.	SF-SOCKET SET 47 1200292
Contents		1/4" socket set, 47-piece, 1/4" reversible ratchet, 48 teeth with fast-locking, 50 mm and 100 mm 1/4" extensions, 1/4" screwdriver handle, 150 mm 1/4" flexible extension, 1/4" Cardan joint, 1/4" T-handle 2 x 1/4" bit adapter, 13 knurled 1/4" sockets, wrench size: 4 / 4.5 / 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

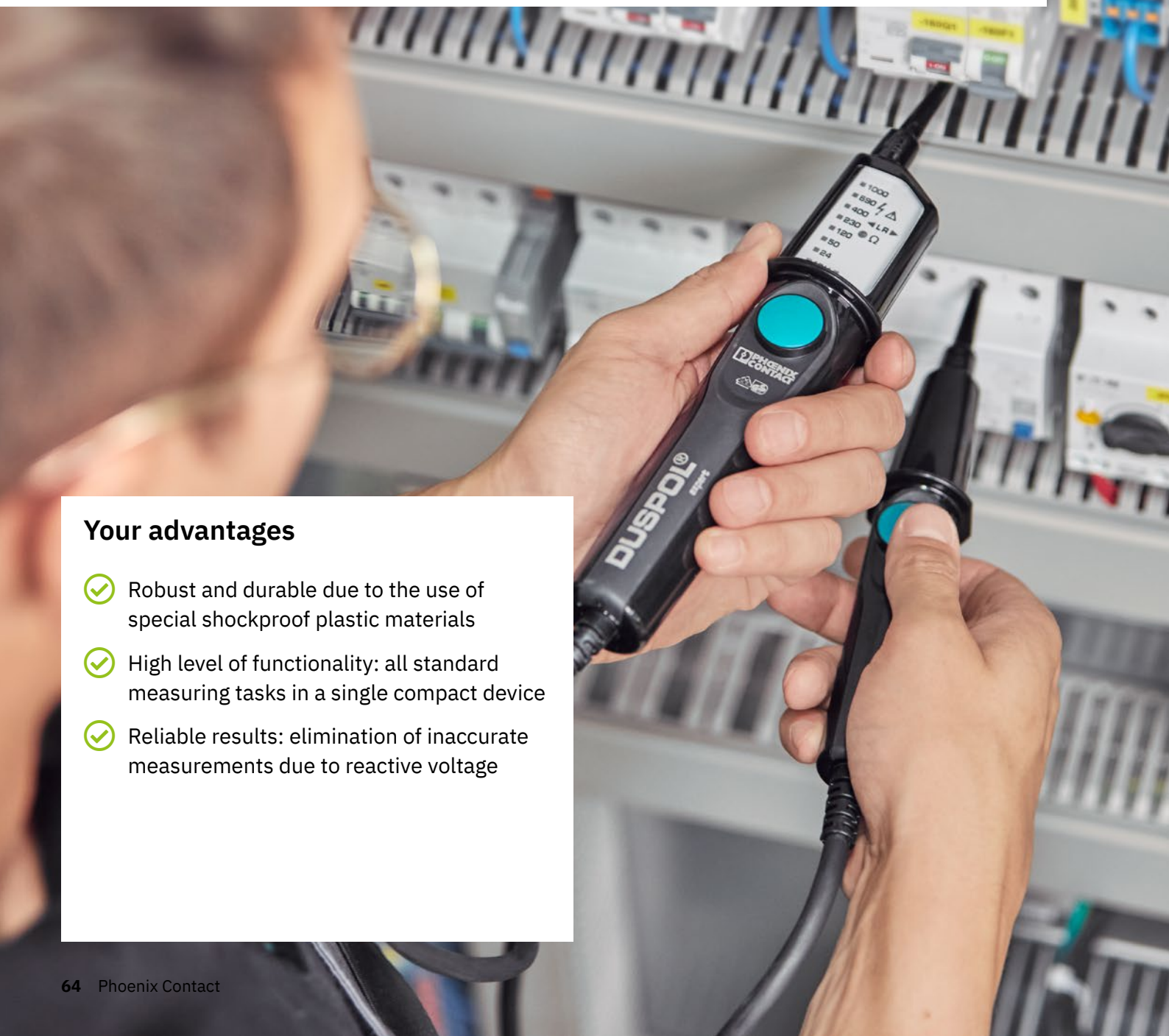
Information		
Type	Item no.	SF-BIT SET 1212545
Contents		Bit set, with SF-UBH universal bit holder, with 25 mm long slotted/crosshead bits (PZ and PH), 10-part, in compact plastic box

Information		
Type	Item no.	SF-M SET 1212543
Contents		Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead (PZ and PH)/hex/Torx® bits, 17-piece, in folding belt pouch, 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

Information		
Type	Item no.	SF-M SET 2 1212756
Contents		Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead/hex/Torx® bits, 17-piece, in folding belt pouch, contents: PH 1,2,3 x 89; SL 0.4 x 2.5, 0.6 x 3.5, 0.8 x 3.5, 1.0 x 5.5, 1.2 x 6.5 x89, TX 10-30, SW 3, 4, 5 x 89

TESTFOX testing and measuring tools

The testing tools and measuring tools in the TESTFOX product family are ideal for all applications in industry, electrical installation, and servicing. The high-quality tools are tested and approved in accordance with national and international standards. With its high degree of protection, you can use the testing tool both indoors and outdoors.



Your advantages

- Robust and durable due to the use of special shockproof plastic materials
- High level of functionality: all standard measuring tasks in a single compact device
- Reliable results: elimination of inaccurate measurements due to reactive voltage

TESTFOX testing and measuring tools

Voltage and continuity testers

- DC and AC voltage tests in the voltage range from 12 V to 1000 V AC/DC, fully functional even without batteries
- Polarity test (+/-) for DC voltage
- Single-position test of the line conductor
- Rotary field direction display of a three-phase mains, provided the neutral point is grounded
- Measuring point lighting
- Load connection via pushbutton
- Overvoltage category CAT IV 600V and CAT III 1000 V in accordance with IEC/EN 61243-3
- Vibration alarm for safe voltage detection
- Impact-resistant, dust- and splash-proof housing, IP65
- Audible and optical continuity test

Type	DUSPOL EXPERT
Item no.	1209091
AC voltage range	12 V AC ... 1000 V AC
DC voltage range	12 V DC ... 1000 V DC
Continuity test	0.00 Ω ... 108.00 kΩ (acoustically via buzzer (55 dB), optically via LED)
Frequency	0.00 Hz ... 60.00 kHz
Degree of protection	IP65
Measuring category	CAT IV 600 V / CAT III 1000 V
Test certificate	EN/IEC 61243-3 (VDE 0682 Part 401)

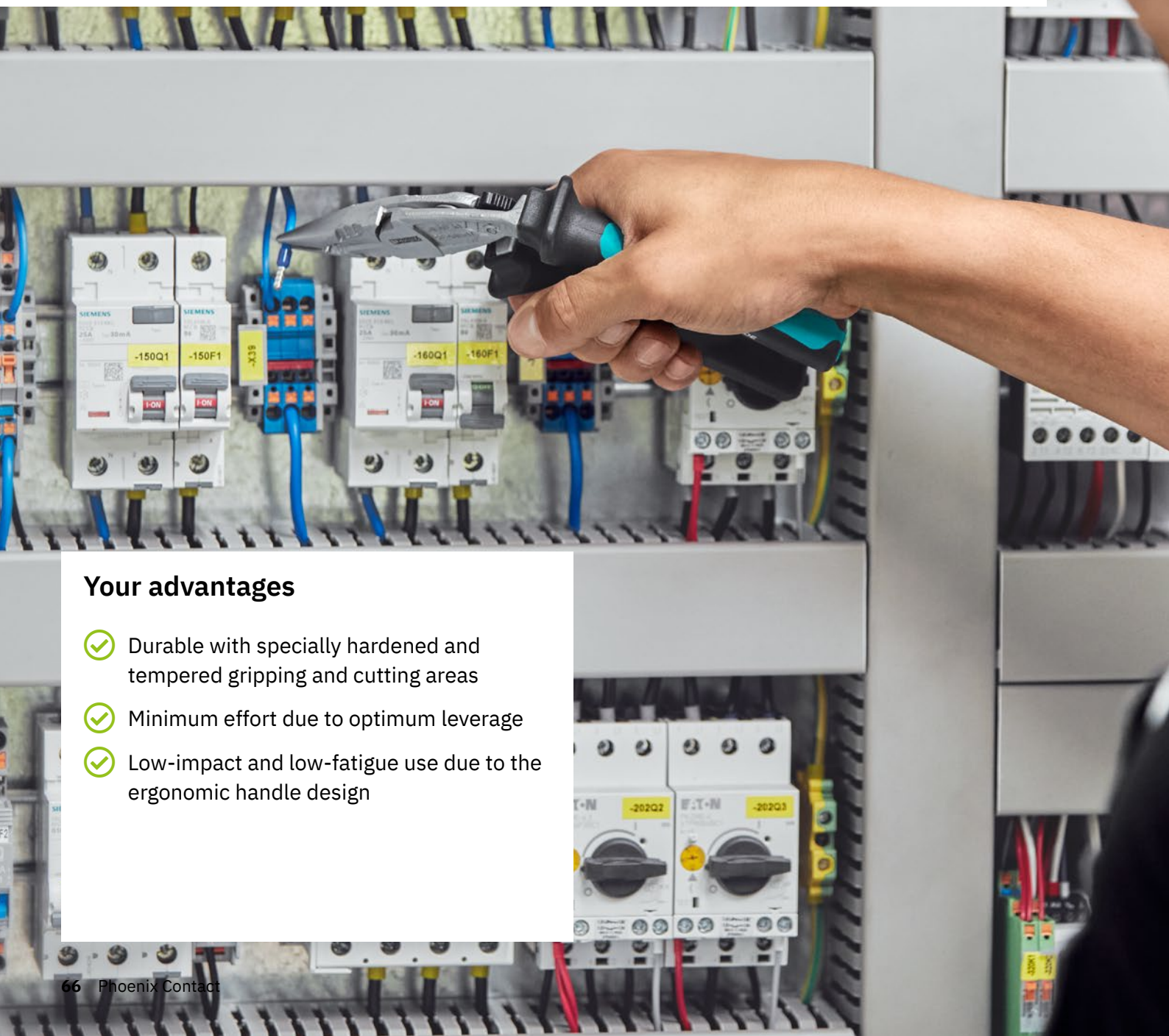
Measuring tape

- Robust and versatile use
- Abrasion resistant, easily-read scale
- Easy internal and external measurements, thanks to the movable, magnetic hooks
- With automatic tape feed and locking mechanism
- EC accuracy class 2

Type	**Item no.**	**Version**	**Maximum pull-out length**
MEASURING TAPE 5M	1200298	Metric	5 m
MEASURING TAPE 5M I/M	1200304	Imperial/metric	5 m

UNIFOX universal and special tools

The UNIFOX product family from Phoenix Contact comprises 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. With the universal tool you can combine different functions and always have the right tool for control cabinet work, for example.



Your advantages

- Durable with specially hardened and tempered gripping and cutting areas
- Minimum effort due to optimum leverage
- Low-impact and low-fatigue use due to the ergonomic handle design

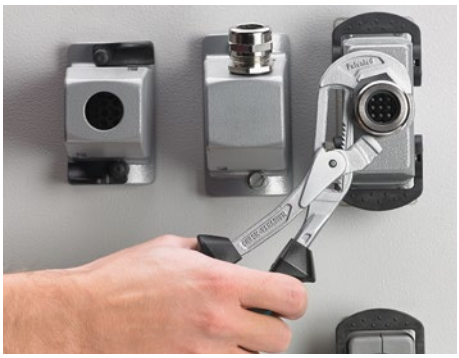
Versatile use

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.

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

The ergonomically shaped UNIFOX-PE VDE has an opening spring and a locking mechanism. The stripping and crimping unit for ferrules from 1.5 to 2.5 mm² and the integrated M8 … M10 ring key make the tool multifunctional.



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.

Cable tie tools

Tension and cut cable ties in one step with the ergonomic cable tie tools for plastic and stainless steel cable ties. 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.

Mounting and removal tools

You will find the right mounting and removal tools for various crimp contacts.

UNIFOX universal and special tools

Combination pliers

Information			Properties
Type	Item no.	UNIFOX-C VDE M 1212834	• Compact design • Cutting, gripping, bending • Notched gripping surface • Ergonomic two-component handle • VDE tested
Diameter		≤10.00 mm	
Length		165 mm	
Weight		210 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	UNIFOX-C VDE 1212202	• Cutting, gripping, bending • Notched gripping surface • Ergonomic two-component handle • VDE tested
Diameter		≤12.00 mm	
Length		180 mm	
Weight		257 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	UNIFOX-CE VDE 1212203	• Cutting edge is inductively hardened • Notched gripping surface • Angled, ergonomic shape • Ergonomic two-component handle • Spring reset with locking mechanism • Special tool steel, die-forged and oil-hardened • VDE tested
Diameter		≤13.00 mm	
Length		200 mm	
Weight		335 g	
Application		Aluminum, copper	

UNIFOX universal and special tools

Needle-nose pliers

Information			Properties
Type	Item no.	UNIFOX-P VDE 1212204	• Bent 45° • Cutting edge is inductively hardened • Finely notched gripping surface • Long narrow jaws • Ergonomic two-component handle • Special tool steel, die-forged and oil-hardened • VDE tested
Diameter		≤8.00 mm	
Length		205 mm	
Weight		205 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	UNIFOX-PC VDE 1212205	• Cutting edge is inductively hardened • Finely notched gripping surface • Long narrow jaws • Ergonomic two-component handle • Special tool steel, die-forged and oil-hardened • VDE tested
Diameter		≤8.00 mm	
Length		170 mm	
Weight		215 g	
Application		Aluminum, copper	

Information			Properties
Type	Item no.	UNIFOX-PE VDE 1212529	• Cutting edge is inductively hardened • Finely notched gripping surface • Angled, ergonomic shape • Ergonomic two-component handle • Spring reset with locking mechanism • Special tool steel, die-forged and oil-hardened • VDE tested
Diameter		≤13.00 mm	
Length		200 mm	
Weight		295 g	
Application		Aluminum, copper	

UNIFOX universal and special tools

Flat-nose and round-nose pliers

Information				Properties
Type	Item no.	UNIFOX-F VDE	1212363	• Finely notched gripping surface • Long narrow jaws • Ergonomic two-component handle • Special tool steel, die-forged and oil-hardened • VDE tested
Length		160 mm		
Weight		185 g		

Information				Properties
Type	Item no.	UNIFOX-R VDE	1212364	• Round, conical jaws • Finely notched gripping surface • Bending of eyelets • Ergonomic two-component handle • Special tool steel, die-forged and oil-hardened • VDE tested
Length		160 mm		
Weight		160 g		

Information				Properties
Type	Item no.	UNIFOX SR 6	1200137	• Bent 35° • Cutting edge is inductively hardened • For mounting SUNCLIX contacts • Ergonomic two-component handle
Length		165 mm		
Weight		193 g		
Application		Aluminum, copper, SUNCLIX contacts		

UNIFOX universal and special tools

Screw/water pump pliers and pipe wrenches

Information				Properties
Type	Item no.	UNIFOX-WP	1212365	• Notched gripping surface • Teeth are inductively hardened • Safe and secure gripping • Self-clamping • Special tool steel, die-forged and oil-hardened
Wrench size		50 mm		
Length		240 mm		
Weight		385 g		

Information				Properties
Type	Item no.	UNIFOX-WRENCH	1212835	• Smooth gripping jaws • Safe and secure gripping • Self-clamping
Wrench size		36 mm		
Length		260 mm		
Weight		420 g		

UNIFOX universal and special tools

Cable tie tools

Information				Properties
Type	Item no.	UNIFOX-CT 4,8	1212475	• Tightening and burr-free cutting of cable ties in a single step • Infinitely adjustable tension force
Cable tie width		2.2 mm ... 4.8 mm		
Length		160 mm		
Weight		310 g		
Application		Plastic cable tie		

Information				Properties
Type	Item no.	UNIFOX-CT 4,8P	1212609	• Tightening and burr-free cutting of cable ties in a single step • Tension force can be infinitely adjusted easily • Ergonomic two-component handle
Cable tie width		2.2 mm ... 4.8 mm		
Length		165 mm		
Weight		330 g		
Application		Plastic cable tie		

Information				Properties
Type	Item no.	UNIFOX-CT M 7,9	1212610	• Tightening and burr-free cutting of cable ties in a single step • Tension force can be infinitely adjusted easily • Ergonomic two-component handle
Cable tie width		4.6 mm ... 7.9 mm		
Length		180 mm		
Weight		555 g		
Application		Steel cable tie		

Riveting tools

- Spring reset
- With rivet locking mechanism
- Punch by hand or with a soft-faced hammer
- For wiring and cable ducts with a width of 35 mm and wider

Type	Item no.	Length	Application
UNIFOX-RVT P 4	1212478	216 mm	Plastic body-bound rivet
UNIFOX-RVT P 6	1212509	216 mm	Plastic body-bound rivet

Hole punch

Information				Properties
Type	Item no.	UNIFOX-HP	1212625	• Spring reset • Round hole • Hole diameter from 2 mm • Compact design
Length		120 mm		
Weight		140 g		
Application		Test plate		

UNIFOX universal and special tools

Mounting and removal tools

- Protective cap for safe storage
- Ergonomic shape
- For removing or mounting contacts
- Special tool steel

Type	Item no.	Length	Application
UNIFOX RT-CK 1.6	1072069	142 mm	Turned and rolled CK 1,6-... contacts
UNIFOX RT-CK 2.5	1072067	142 mm	Turned CK 2,5-... contacts
UNIFOX RT-CK 4.0	1072064	128 mm	Turned CK-4,0-... contacts
UNIFOX MT-CK 1.6/2.5	1089092	142 mm	CK 1,6... contacts

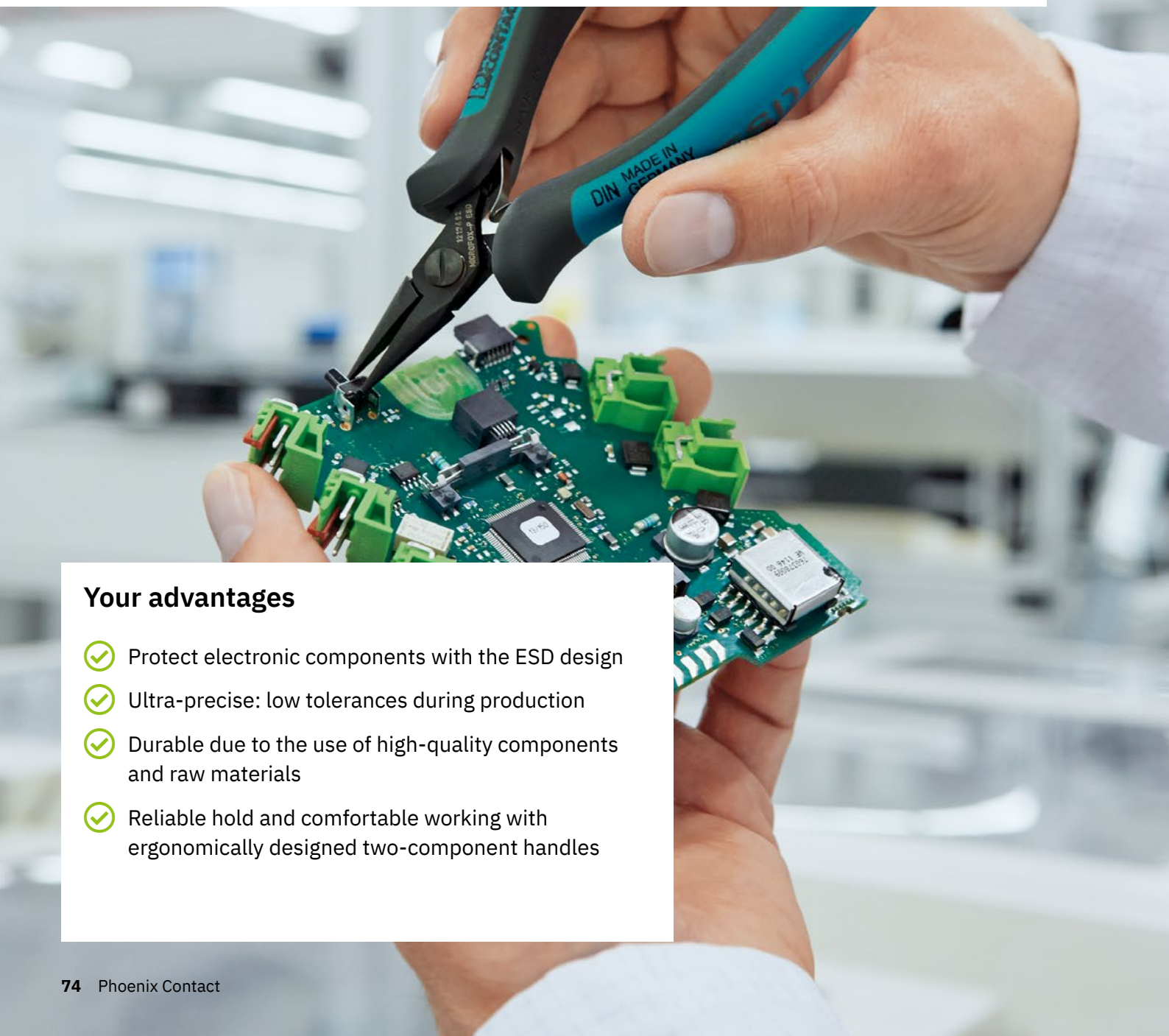
Mounting and removal tools

Information				Properties
Type	Item no.	STG-EW	3190441	• For removing contacts • Compact design
Length		79 mm		
Weight		12.5 g		
Application		STG-MTN..., PCC 4/...		

Information				Properties
Type	Item no.	UNIFOX SR 6	1200137	• Bent 35° • Cutting edge is inductively hardened • For mounting SUNCLIX contacts • Ergonomic two-component handle
Length		165 mm		
Weight		193 g		
Application		Aluminum, copper, SUNCLIX contacts		

MICROFOX electronics tools

The electronics tools from the MICROFOX product family offer a range of pliers for all tasks in electronics and electromechanical engineering. The sophisticated and precise electronics tools are ideal for working in hard to access areas such as PCB components. To protect sensitive electronic components, we recommend the ESD versions with special handles.



Your advantages

- Protect electronic components with the ESD design
- Ultra-precise: low tolerances during production
- Durable due to the use of high-quality components and raw materials
- Reliable hold and comfortable working with ergonomically designed two-component handles

Precision and reliability for every PCB

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. They are equipped with an opening spring that allows for working with just one hand. The two-component handles provide for non-slip and effortless use. The gripping surfaces of the tools are designed flat to avoid damage when gripping and bending components.

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. To protect highly sensitive electronic components against electrostatic discharge, the handles of the electronics pliers are made from conductive plastic. This means that electrostatic energy is discharged in a gradual and controlled manner.

MICROFOX electronics tools

Electronics pliers

- Push-through joint
- Mirror-polished and oiled metal surface
- Ergonomic two-component handle
- Sensitive opening spring

Type	Item no.	Cutting edge		Cutting capacity		
				Soft[1]	Medium-hard[2]	Hard[3]
MICROFOX-SB	1212489		Diagonal cutter, with chamfer	≤1.6 mm	≤1.2 mm	≤0.5 mm
MICROFOX-SP	1212488		Diagonal cutter, angled	≤1.3 mm	≤1.0 mm	
MICROFOX-E	1212494		Front cutter	≤2.0 mm	≤1.0 mm	
MICROFOX-EO	1212495		Front cutter, angled	≤1.5 mm	≤1.0 mm	
MICROFOX-P	1212491		Needle-nose pliers			
MICROFOX-PC	1212492		Needle-nose pliers, angled			
MICROFOX-F	1212493		Flat-nose pliers			
MICROFOX-R	1212490		Round-nose pliers			

Electronics pliers

- Screwed precision joint
- Phosphated metal surface
- Ergonomic two-component handle
- Sensitive opening spring

Type	Item no.	Cutting edge		Cutting capacity		
				Soft[1]	Medium-hard[2]	Hard[3]
MICROFOX SP-1	1212487		Diagonal cutters	≤1.6 mm		

MICROFOX electronics tools

ESD electronics pliers

- Screwed precision joint
- Mirror-polished and oiled metal surface
- Ergonomic two-component handle
- Sensitive opening spring
- ESD tested

Type	Item no.	Cutting edge		Cutting capacity		
				Soft[1]	Medium-hard[2]	Hard[3]
MICROFOX-S ESD	1212480		Diagonal cutters	≤2.0 mm	≤1.0 mm	
MICROFOX-E ESD	1212485		Front cutter		≤1.0 mm	
MICROFOX-P ESD	1212482		Needle-nose pliers			
MICROFOX-PC ESD	1212483		Flat and round-nose pliers			
MICROFOX-F ESD	1212484		Flat-nose pliers			
MICROFOX-R ESD	1212481		Round-nose pliers			

[1] Soft wire (AL/CU) up to 220 N/mm² tensile strength
[2] Medium-hard wire up to 750 N/mm² tensile strength
[3] Hard wire up to 1800 N/mm² tensile strength

Cutting edge	
	Diagonal cutters
	Diagonal cutters
	Flat-nose pliers
	Needle-nose pliers
	Round-nose pliers

Tool sets and toolbags

Storing tools neatly and safely

2

When working on site, it is particularly important to have clear and quick access to the right tools. With one of our tool sets, you'll always have the right tool to hand whatever the job. We provide tool sets in a variety of robust and heavy-duty bags.

Toolbags

From soft zip cases to hard cases: robust toolbags in various designs

> More information starting on page 80

Your custom tool set

Configure your tool set to meet your individual requirements. The configurable items contain the extension “CUS” on the website and are marked accordingly. Simply select the desired bag in the product list and specify the desired tools under “Configure”.

Tool sets

Tool sets in robust and hard-wearing bags for various tasks

More information starting on page 83

Toolbags

Toolbags, empty

Information		Properties
Type Item no.	TOOL-KIT STANDARD EMPTY 1212423	Tool zip case, empty, with elastic straps to hold tools of different sizes in place
Dimensions (L x W x H)	165 mm x 65 mm x 315 mm	
Color	Black	
Material	Polyester	
Information		**Properties**
Type Item no.	TOOL KIT STANDARD EMPTY CUS 8191307	Tool zip case, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked in accordance with customer requirements
Dimensions (L x W x H)	165 mm x 65 mm x 315 mm	
Color	Black	
Material	Polyester	

Information		Properties
Type Item no.	TOOL-WRAP EMPTY 1212501	Tool wrap, empty
Dimensions (L x W x H)	520 mm x 250 mm x 290 mm	
Color	Black	
Material	Polyester	
Information		**Properties**
Type Item no.	TOOL-WRAP EMPTY CUS 8191309	Tool wrap, with permanently closable business card pocket, with marking label US EMP (85.6 x 54) marked in accordance with customer requirements
Dimensions (L x W x H)	520 mm x 250 mm x 290 mm	
Color	Black	
Material	Polyester	

Information		Properties
Type Item no.	TOOL-BELTPOUCH EMPTY 1212502	Tool belt pouch, empty
Dimensions (L x W x H)	250 mm x 140 mm x 315 mm	
Color	Black	
Material	Polyester	
Information		**Properties**
Type Item no.	TOOL-BELTPOUCH EMPTY CUS 8191311	Tool belt pouch, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked in accordance with customer requirements
Dimensions (L x W x H)	250 mm x 140 mm x 315 mm	
Color	Black	
Material	Polyester	

Toolbags

Toolbags, empty

Information		Properties
Type Item no.	TOOL-CARRIER EMPTY 1212499	Toolbag, empty
Dimensions (L x W x H)	290 mm x 185 mm x 220 mm	
Color	Black	
Material	Polyester	
Information		**Properties**
Type Item no.	TOOL-CARRIER EMPTY CUS 8191310	Toolbag, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked in accordance with customer requirements
Dimensions (L x W x H)	290 mm x 185 mm x 220 mm	
Color	Black	
Material	Polyester	

Information		Properties
Type Item no.	TOOL-BAG EMPTY 1212500	Toolbag, with document and laptop compartments, empty
Dimensions (L x W x H)	410 mm x 225 mm x 340 mm	
Color	Black	
Material	Polyester	
Information		**Properties**
Type Item no.	TOOL-BAG EMPTY CUS 8191308	Toolbag, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked in accordance with customer requirements
Dimensions (L x W x H)	410 mm x 225 mm x 340 mm	
Color	Black	
Material	Polyester	

Information		Properties
Type Item no.	TOOL-ZIPCASE EMPTY 1005050	Tool zip case, empty
Dimensions (L x W x H)	270 mm x 80 mm x 405 mm	
Color	Black	
Material	Polyester	

Tool case

Tool case, empty

Information		Properties
Type Item no.	TOOL-CASE-2 EMPTY 1212636	Tool case, empty, hard case, two levels
Dimensions (L x W x H)	460 mm x 327 mm x 270 mm	
Color	Black	
Material	Aluminum	

Information		Properties
Type Item no.	TOOL-CASE EMPTY 1212628	Tool case, empty, lockable, with permanently closeable business card pocket, with padded carrying strap for superior carrying comfort, with document compartment
Dimensions (L x W x H)	510 mm x 260 mm x 270 mm	
Color	Black	
Material	Polyester	

Information		Properties
Type Item no.	TOOL-CASE EMPTY CUS 8191312	Tool case, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked in accordance with customer requirements
Dimensions (L x W x H)	510 mm x 260 mm x 270 mm	
Color	Black	
Material	Polyester	

Tool sets

Tool sets

Information

Type	Item no.	
CRIMPFOX CENTRUS 6S SET		1213999

Contents

Cutting, stripping, and crimping set, packaged in a tool zip case, comprising CUTFOX 18, WIREFOX 10, CRIMPFOX CENTRUS 6S, AI SORTI BOX RD, TOOL-KIT STANDARD EMPTY

Crimping tool	CRIMPFOX CENTRUS 6S	1213144
Assortment box	AI SORTI BOX RD	3202960
Stripping tool	WIREFOX 10	1212150
Tool box	TOOL-KIT STANDARD EMPTY	1212423
Cutting tool	CUTFOX 18	1212129

Information

Type	Item no.	
CRIMPFOX CENTRUS 10S SET		1026994

Contents

Cutting, stripping, and crimping set, packaged in a tool zip case, comprising CUTFOX 18, WIREFOX 10, CRIMPFOX CENTRUS 10S, AI SORTI BOX RD, TOOL-KIT STANDARD EMPTY

Crimping tool	CRIMPFOX CENTRUS 10S	1213154
Assortment box	AI SORTI BOX RD	3202960
Stripping tool	WIREFOX 10	1212150
Tool box	TOOL-KIT STANDARD EMPTY	1212423
Cutting tool	CUTFOX 18	1212129

Information

Type	Item no.	
CRIMPFOX DUO 10 SET		1044971

Contents

Cutting, stripping, and crimping set, packaged in a tool zip case, comprising WIREFOX 10, CRIMPFOX DUO 10, AI SORTI BOX RD, AI TWIN SORTI BOX BU, TOOL-KIT STANDARD EMPTY

Crimping tool	CRIMPFOX DUO 10	1031721
Stripping tool	WIREFOX 10	1212150
Assortment box	AI SORTI BOX RD	3202960
Assortment box	AI-TWIN SORTI BOX BU	3202986
Tool box	TOOL-KIT STANDARD EMPTY	1212423

Information

Type	Item no.	
CRIMPFOX DUO 16S SET		1367687

Contents

Cutting, stripping, and crimping set, packaged in a tool zip case, comprising WIREFOX 10, WIREFOX 16/SB, CRIMPFOX DUO 16S, AI SORTI BOX RD, AI SORTI BOX ANT, TOOL-KIT STANDARD EMPTY

Crimping tool	CRIMPFOX DUO 16S	1202877
Stripping tool	WIREFOX 10	1212150
Knives	WIREFOX 16/SB	1212153
Assortment box	AI SORTI BOX RD	3202960
Assortment box	AI SORTI BOX ANT	3202973
Tool box	TOOL-KIT STANDARD EMPTY	1212423

Information

Type	Item no.	
TOOL DATA SET		1208856

Contents

Cutting, stripping, and crimping set, packaged in a tool zip case, comprising: CUTFOX 12, WIREFOX-D 11, CRIMPFOX-M, CRIMPFOX-M RJ45/DIE, TOOL-KIT STANDARD EMPTY

Cutting tool	CUTFOX 12	1212128
Stripping tool	WIREFOX-D 11	1212160
Crimping tool	CRIMPFOX-M	1212072
Dies	CRIMPFOX-M RJ45/DIE	1212090
Tool box	TOOL-KIT STANDARD EMPTY	1212423

Tool sets

Tool sets

Information

Type	Item no.	
TOOL SET ALLROUND 2		1208843

Contents

Cutting, stripping, and crimping set, packaged in a tool zip case, comprising: CUTFOX 12, WIREFOX 10, CRIMPFOX 10S, TOOL-KIT STANDARD EMPTY

Cutting tool	CUTFOX 12	1212128
Stripping tool	WIREFOX 10	1212150
Crimping tool	CRIMPFOX 10S	1212045
Tool box	TOOL-KIT STANDARD EMPTY	1212423

Information

Type	Item no.	
TOOL-KIT STANDARD		1212422

Contents

Tool zip case, equipped with: crimping pliers for ferrules, stripping pliers, sheath stripping tool, cable cutter, slotted screwdriver: 0.6 x 3.5, tool organizer

Crimping tool	CRIMPFOX DUO 16S	1202877
Stripping tool	WIREFOX 10	1212150
Stripping tool	WIREFOX-D 40	1212161
Cutting tool	CUTFOX 18	1212129
Screwdriver tool	SZF 1-0,6X3,5	1204517
Tool box	TOOL-KIT STANDARD EMPTY	1212423

Information

Type	Item no.	
TOOL-WRAP		1212505

Contents

Tool wrap, equipped with: cable cutter, diagonal cutter, combination and needle-nose pliers VDE screwdriver, slotted: 0.4 x 2.5 /0.5 x 3.0 /1.0 x 4.0 -/1.0 x 5.5 Phillips: PHO/PH1/PH2 Voltage tester

Cutting tool	CUTFOX-S VDE	1212207
Cutting tool	CUTFOX 16 VDE	1212126
Universal tool	UNIFOX-C VDE	1212202
Universal tool	UNIFOX-P VDE	1212204
Screwdriver tool	SZS 0.4X2.5 VDE	1205037
Screwdriver tool	SZS 0,5X3,0 VDE	1207404
Screwdriver tool	SZS 1.0X4.0 VDE	1205066
Screwdriver tool	SZS 1.0X6.5 VDE	1205079
Screwdriver tool	SZK PH0 VDE	1205147
Screwdriver tool	SZK PH1 VDE	1205150
Screwdriver tool	SZK PH2 VDE	1205163
Measuring tool	DUSPOL EXPERT	1209091
Tool box	TOOL-WRAP EMPTY	1212501

Tool sets

Tool sets

Information

Type	Item no.	
TOOL-WRAP-2		1200100

Contents

Tool wrap, equipped with: cable cutter, stripping tools for standard conductors from 0.08 mm² ... 16 mm², sheath stripping tool up to Ø 4 mm, CRIMPFOX CENTRUS 6H crimping pliers for ferrules for conductors from 0.14 mm² ... 6 mm², VDE screwdriver, slender design, bladed: 0.6 x 3.5/0.8 x 4.0/1.0 x 5.5, crosshead: PH1/PH2/PZ1/PZ2

Crimping tool	CRIMPFOX CENTRUS 6H	1213146
Cutting tool	CUTFOX 18	1212129
Stripping tool	WIREFOX 10	1212150
Stripping tool	WIREFOX 16-1	1212157
Stripping tool	WIREFOX-D 40	1212161
Tool set	SF-SL/PH/PZ-SL SET S-VDE	1212701
Tool box	TOOL-WRAP EMPTY	1212501

Information

Type	Item no.	
TOOL-BELTPOUCH		1212506

Contents

Tool belt pouch, equipped with: cable cutter, diagonal cutter, stripping tool, combination pliers, control cabinet key, screwdriver, slit: 0.5x3.0/1.0x4.0/1.0x5.5 Phillips: PH1/PH2, voltage tester, blades, tape measure

Cutting tool	CUTFOX-S VDE	1212207
Cutting tool	CUTFOX 18	1212129
Stripping tool	WIREFOX-D 13	1212162
Universal tool	UNIFOX-CE VDE	1212203
Universal tool	USS 4	1203149
Screwdriver tool	SZS 0,5X3,0 VDE	1207404
Screwdriver tool	SZS 1.0X4.0 VDE	1205066
Screwdriver tool	SZS 1,0X5,5 VDE	1209114
Screwdriver tool	SZK PH1 VDE	1205150
Screwdriver tool	SZK PH2 VDE	1205163
Measuring tool	DUSPOL EXPERT	1209091
Tool box	TOOL-BELTPOUCH EMPTY	1212502
Measuring tool	MEASURING TAPE 5M I/M	1200304

Tool sets

Tool sets

Information

Type	Item no.	
TOOL-CARRIER		1212503

Contents

Toolbag, equipped with: cable cutter, diagonal cutter, stripping pliers, NYM stripping tool, stripping tool for removing sheath, crimping pliers, crimping die for ferrules, combination, needle-nose, and water pump pliers, VDE screwdriver, slotted: 0.4 x 2.5/0.5 x 3.0/1.0 x 4.0/1.0 x 6.5, Phillips: PHO/PH1/PH2, voltage tester, control cabinet key, knife, tape measure

Cutting tool	CUTFOX-S VDE	1212207
Cutting tool	CUTFOX 18	1212129
Stripping tool	WIREFOX 10 VDE	1212366
Stripping tool	WIREFOX-D 13	1212162
Stripping tool	WIREFOX-D 28	1212174
Crimping tool	CRIMPFOX-M	1212072
Die	CRIMPFOX-M 10/DIE	1212080
Universal tool	UNIFOX-CE VDE	1212203
Universal tool	UNIFOX-P VDE	1212204
Universal tool	UNIFOX-WP	1212365
Screwdriver tool	SZS 0,4X2,5 VDE	1205037
Screwdriver tool	SZS 0,5X3,0 VDE	1207404
Screwdriver tool	SZS 1,0X4,0 VDE	1205066
Screwdriver tool	SZS 1,0X6,5 VDE	1205079
Screwdriver tool	SZK PH0 VDE	1205147
Screwdriver tool	SZK PH1 VDE	1205150
Screwdriver tool	SZK PH2 VDE	1205163
Measuring tool	DUSPOL EXPERT	1209091
Universal tool	USS 4	1203149
Tool box	TOOL-CARRIER EMPTY	1212499
Measuring tool	MEASURING TAPE 5M I/M	1200304

Information

Type	Item no.	
TOOL BAG		1212504

Contents

Toolbag, with laptop and document compartment, equipped with: cable cutter, diagonal cutter, stripping pliers, stripping tool, crimping tool set, combination-, needle-nose-, water pump pliers, VDE screwdriver slotted: 0.4 x 2.5/0.5 x 3.0/1.0 x 4.0/1.0 x 6.5, Phillips: PH0/PH1/PH2, control cabinet key, voltage tester, ferrule box, knife, measuring tape, toolbag

Cutting tool	CUTFOX 25 VDE	1212127
Cutting tool	CUTFOX-S VDE	1212207
Stripping tool	WIREFOX 10	1212150
Stripping tool	WIREFOX-D 40	1212161
Tool set	CRIMPFOX-M SET	1212093
Universal tool	UNIFOX-C VDE	1212202
Universal tool	UNIFOX-P VDE	1212204
Universal tool	UNIFOX-WP	1212365
Screwdriver tool	SZS 0,4X2,5 VDE	1205037
Screwdriver tool	SZS 0,5X3,0 VDE	1207404
Screwdriver tool	SZS 1,0X4,0 VDE	1205066
Screwdriver tool	SZS 1,0X6,5 VDE	1205079
Screwdriver tool	SZK PH0 VDE	1205147
Screwdriver tool	SZK PH1 VDE	1205150
Screwdriver tool	SZK PH2 VDE	1205163
Measuring tool	DUSPOL EXPERT	1209091
Universal tool	USS 4	1203149
Assortment box	AI SORTI BOX RD	3202960
Tool box	TOOL-BAG EMPTY	1212500
Measuring tool	MEASURING TAPE 5M I/M	1200304

Tool sets

Tool sets

Information

Type	Item no.	
TOOL-CASE	1212629	

Contents

Tool case, lockable, with adjustable strap, equipped with: cable cutter, diagonal cutter, micro cutter, stripping and sheath removal tools, crimping tool set, combination, needle-nose, and water pump pliers, VDE bladed and Phillips screwdrivers, control cabinet key, voltage tester, ferrule box, blades, tape measure, continuity tester, marking tool, ring and open-end wrench set, adjustable wrench, T-handle Allen key, safety glasses, hammer, 47-piece ratchet socket wrench set, 1/4"

Cutting tool	CUTFOX 12	1212128
Cutting tool	CUTFOX-S VDE	1212207
Electronics pliers	MICROFOX-SB	1212489
Stripping tool	WIREFOX 10	1212150
Stripping tool	WIREFOX-D 13	1212162
Stripping tool	WIREFOX-D 28	1212174
Stripping tool	WIREFOX-D 11	1212160
Tool set	CRIMPFOX-M SET	1212093
Die	CRIMPFOX-M RCI 6/DIE	1212073
Universal tool	UNIFOX-C VDE	1212202
Universal tool	UNIFOX-P VDE	1212204
Universal tool	UNIFOX-WP	1212365
Screwdriver tool	SZS 0,4X2,5 VDE	1205037
Screwdriver tool	SZS 0,5X3,0 VDE	1207404
Screwdriver tool	SZS 1,0X4,0 VDE	1205066
Screwdriver tool	SZS 1,0X6,5 VDE	1205079
Screwdriver tool	SZK PH0 VDE	1205147
Screwdriver tool	SZK PH1 VDE	1205150
Screwdriver tool	SZK PH2 VDE	1205163
Measuring tool	DUSPOL EXPERT	1209091
Universal tool	USS 4	1203149
Assortment box	AI SORTI BOX RD	3202960
Assortment box	AI-TWIN SORTI BOX BU	3202986
Tool box	TOOL-CASE EMPTY	1212628
Socket wrench	SF-THEX 2,5-100	1212638
Socket wrench	SF-THEX 3-100	1212639
Socket wrench	SF-THEX 4-150	1212640
Socket wrench	SF-THEX 5-150	1212641
Tool set	SF-SOCKET SET 47	1200292
Measuring tool	MEASURING TAPE 5M I/M	1200304

Automatic tools

Precision and speed

3

Our range of tools features automatic tools for cutting, stripping, and crimping for the fast and precise processing of conductors and cables. Increase your wire processing efficiency with our automatic tools by automating these three substeps. The combination of functionality, quality, and fast setup times enables high levels of flexibility while ensuring high-quality results every time.

Automatic cutting devices

Cut rigid and flexible conductors and cables up to 10 mm² and 8 mm diameter to length with millimeter precision. When there is a change in material, the automatic cutting device automatically adapts to the newly inserted diameters.

> More information starting on page 90

Automatic stripping devices

Strip various types of conductors reliably and with repeat accuracy. The compact automatic stripping devices can be used to automatically strip wires with a cross-section of up to 10 mm², and also provide the option of partial stripping.

> More information starting on page 92

Automatic crimping devices

Process cable lugs, slip-on sleeves, and ferrules in the shortest time. The dies can be replaced quickly and easily, which makes the automatic crimping device ideal for processing a wide range of contact connection types up to 50 mm².

> More information starting on page 96

E.FOX S 10 automatic stripping device

With the E.FOX S 10 electric automatic stripping device, you can process wires with different insulations and in the cross-section range of 0.08 to 10 mm² easily and efficiently. The compact automatic stripping device can be integrated into and controlled via worker assistance systems. The touch display makes operation intuitive. Set favorites can be linked to a barcode and accessed using a handheld scanner.

Automatic stripping and crimping devices

Two functions in one device: process wires quickly and reliably in just one step with our automatic stripping and crimping devices.

> More information starting on page 100

Portable automatic stripping and crimping device

With the compact and portable automatic stripping and crimping device, it takes just two seconds to assemble the wires.

> More information starting on page 104

Automatic cutting devices

The CUTFOX 10 automatic cutting device can be used to cut conductors and cables up to 10 mm² and 8 mm in diameter to length with millimeter precision. The CUTFOX 10 automatically adapts to the diameter when there is a change in material. Enter the length and number of cuts via the user-friendly display. The automatic cutting device can be optimally integrated into the clipx WIRE assist worker assistance system and automatically controlled with the software.

Your advantages

- Intuitive operation via the display and numerical keys
- Easy commissioning with plug-and-play
- Automatic diameter adjustment with the spring system
- Quick change of material

Automatic cutting devices

CUTFOX 10 automatic cutting device

Information		Properties
Type / Item no.	CUTFOX 10 / 1206829	• Cutting of conductors, cables, and similar profiles • Quick change of material • Automatic zero cut after change of material • Operation via keypad and display • Automatic diameter adjustment • Interface for integration into the clipx WIRE assist worker assistance system
Conductor cross-section, flexible	0.08 mm² ... 10 mm² AWG 28 ... 8	
Conductor cross-section rigid	0.08 mm² ... 2.5 mm²	
Max. conductor diameter	≤8.00 mm	
Cross-section setting	Automatic	
Max. number of cuts	9999	
Cutting length	2 mm ... 999999 mm	
Unit of measurement	mm/inch	
Feed rate	0.5 m/s	
Dimensions (L x W x H)	301 mm x 194 mm x 228 mm	
Weight	11 kg	
Power consumption	150 VA	
Supply voltage	100 V ... 240 V (50 Hz ... 60 Hz)	

Accessories

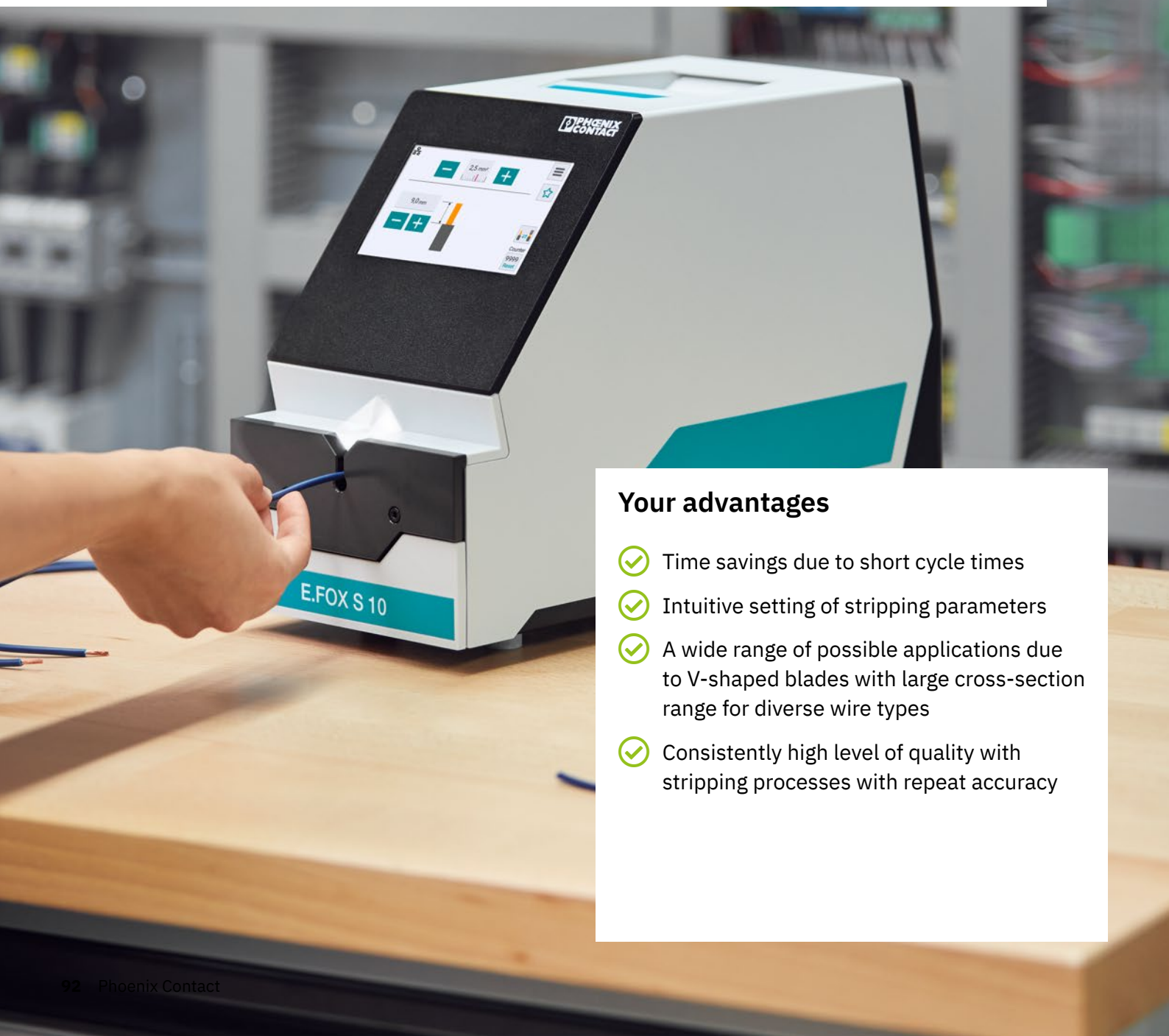
Type	Item no.	Description
CF-10 CUTTER KNIFE SET	1207284	Replacement blade
CUTFOX 10 C-UN	1208393	Cable unwinder
CF-10 CUTTER KNIFE SET	1207284	Replacement blade
CF-10 WHEEL SET	1207271	Replacement drive rollers
CF-10 WHEEL SET PU	1200098	Drive rollers with PU tread, for sensitive cables/conductors
CF-10 WHEEL SET STEEL	1200099	Drive rollers with finely knurled steel tread, for very hard insulation

Useful addition

Keep cable rings and cable reels under control with the CUTFOX 10 C-UN cable unwinder (item no. 1208393). Twisted material and the inadvertent unwinding of conductors are now a thing of the past with this accessory. The material can therefore be fed in without any disruptions and under constant tension.

Automatic stripping devices

With the compact automatic stripping devices, you can process different wire types easily in a matter of seconds. The automatic stripping devices can be used to automatically strip wires with a cross-section of up to 10 mm², and also provide the option of partial stripping. The touch display and knobs make parameter adjustment intuitive. Wires can be fed in very quickly and precisely, from the front as well as from above.



Your advantages

- Time savings due to short cycle times
- Intuitive setting of stripping parameters
- A wide range of possible applications due to V-shaped blades with large cross-section range for diverse wire types
- Consistently high level of quality with stripping processes with repeat accuracy

Efficient and smart

Optimize your wire preparation with the E.FOX S 10

With the E.FOX S 10 electric automatic stripping device, you can process wires with different cross-sections and types of insulation easily and efficiently. The compact automatic stripping device can be integrated into and controlled via worker assistance systems. Control via the clipx WIRE assist worker assistance software means that manufacturing data can be used consistently. This enables convenient and process-reliable wire preparation. Selecting favorites via a barcode scanner also provides fast access to the desired stripping parameters without the need for time-consuming settings.

Time savings

The short cycle time of 0.3 s and parameter adjustment via electric drives ensure fast stripping processes with repeat accuracy. The insertion area can be accessed from the front and from above and is also illuminated. Wires are thus fed in very quickly and precisely.

A wide range of possible applications

Special V-shaped blades that cover the entire cross-section range from 0.08 to 10 mm²/28 to 8 AWG offer a wide range of possible applications. Individual requirements are met by using additional flat blades and customer-specific shaped blades. The compact automatic stripping device enables a high degree of flexibility for working in different locations.

Easy operation

The tilted 5" touch display makes it easier to read and operate the device when seated or standing. The use of icons and the visualization of the stripping parameters facilitates intuitive use. The E.FOX S 10 thus provides impressive time savings right from the outset.

Automatic stripping devices

E.FOX S 10 automatic stripping device

Information				Properties
Type	Item no.	E.FOX S 10 (EF)	1554299	• Intuitive operation via 5" touch screen • Storage of up to 100 favorites • Control possible via clipx WIRE assist software • Tool for changing the blade inside the housing • Additional special blades available on request • Standard V-blades for the entire cross-section range • Integrated counter that can be reset • Inserting the litz wires from above and the front • Automatically setting clamping force • Carrying handle for changing workstations
Conductor cross-section, flexible		0.08 mm² ... 10 mm² AWG 28 ... 8		
Stripping length		2 mm ... 20 mm		
Partial stripping length		1 mm ... 20 mm		
Min. insertion length		15 mm		
Working cycle		0.3 s		
Dimensions (L x W x H)		372 mm x 155 mm x 257 mm		
Weight		10 kg		
Power consumption		150 VA		
Supply voltage		100 V AC ... 240 V AC (50 Hz ... 60 Hz)		
Connector type		Pin connector pattern type E, F		

Versions

Type	Item no.	Description
E.FOX S 10 (B)	1554298	Automatic stripping device with power cable, mating face type B
E.FOX S 10 (G)	1554297	Automatic stripping device with power cable, mating face type G
E.FOX S 10 (I)	1554295	Automatic stripping device with power cable, mating face type I
E.FOX S 10 (L)	1554277	Automatic stripping device with power cable, mating face type L

Accessories

Type	Item no.	Description
E.FOX S 10/CJ	1457327	Retaining jaws
E.FOX S 10/SB	1457330	Replacement blade
E.FOX S 10/SB-F	1554155	Flat blade for flat cables

Automatic stripping devices

Stripping machine WF 1000

- Continuous adjustment of diameter, stripping length, and pull-off length
- Standard V-blades for the entire cross-section range
- Integrated counter that can be reset
- Inserting the litz wires from above and the front
- Automatically setting clamping force
- Carrying handle for changing workstations

Type	WF 1000	WF 1000 120V
Item no.	1212149	1212258
Conductor cross-section, flexible	0.08 mm² ... 6 mm² AWG 28 ... 10	
Stripping length	2 mm ... 20 mm	
Partial stripping length	2 mm ... 20 mm	
Min. insertion length	15 mm	
Working cycle	0.3 s	
Dimensions (L x W x H)	363 mm x 141 mm x 221 mm	
Weight	9.5 kg	
Power consumption	160 VA	
Supply voltage	230 V (50 Hz)	120 V (60 Hz)
Connector type	Pin connector pattern type E, F	Pin connector pattern type B

Accessories

Type	**Item no.**	**Description**
WF 1000/SB	1212279	Replacement blade

Automatic crimping devices

The universal and portable CF 500 automatic crimping device is characterized by its high pressing capacity in a compact design. With the easy and fast replacement of various die inserts, it is suitable for processing a variety of contact types up to 50 mm² and offers a high degree of flexibility. The crimping process is triggered by a foot pedal. As such, both hands are free to assemble the conductor using the corresponding contacts.

Your advantages

- Intuitive operation
- Easy commissioning with plug-and-play
- Maximum flexibility with interchangeable dies
- Easy triggering of the crimping process by means of a foot pedal

Automatic crimping devices

Automatic crimping device CF 500

- Variable opening angle
- Easy die changing
- Integrated counter that can be reset
- Two-step operation for clamping the contact
- Carrying handle for changing workstations
- Triggering of the crimping process by the foot pedal

Type	CF 500-230V	CF 500-120V
Item no.	1208348 [1]	1208351 [1]
Crimping pressure	10 kN	
Working cycle	1 s	
Dimensions (L x W x H)	220 mm x 140 mm x 320 mm	
Weight	10 kg	
Power consumption	160 W	
Supply voltage	230 V (50 Hz)	120 V (60 Hz)
Connector type	Pin connector pattern type E, F	Pin connector pattern type B

[1] Approved connection in accordance with UL 486F with marked Phoenix Contact ferrules

Automatic crimping device accessories

CF 500 dies

Type	Item no.	Connector	Crimp	Cross-section range		Cover	Description
				mm²	AWG		
CF 500/DIE AI 6	1212238			0.08 ... 6	28 ... 10	1212254 CF 500/ COV AI 6	
CF 500/DIE AI 25	1212239			10 ... 25	8 ... 4	1212250 CF 500/ COV	
CF 500/DIE AI 50	1212261			35 ... 50	2 ... 1/0	1212250 CF 500/ COV	
CF 500/DIE AI-TWIN 10	1212262			4 ... 10	12 ... 8	1212266 CF 500/ COV AI TWIN	
CF 500/DIE AI-TWIN 16	1200299			6 ... 16	10 ... 6	1212250 CF 500/ COV	
CF 500/DIE FBS	1212461					1212462 CF 500/ COV FBS	For separating individual bridge bars from FBS... plug-in bridges
CF 500/DIE RC 10	1212244			0.5 ... 10	20 ... 8	1212252 CF 500/ COV RC 10	
CF 500/DIE RC 16	1212257			16	6	1212250 CF 500/ COV	
CF 500/DIE RCI 1,5	1212263			0.14 ... 1.5	26 ... 18	1212255 CF 500/ COV RCI	
CF 500/DIE RCI 6	1212240			0.5 ... 6	20 ... 10	1212255 CF 500/ COV RCI	Symmetrical crimping shape
CF 500/DIE RCI 6-1	1212691					1212255 CF 500/ COV RCI	Asymmetrical crimping shape
CF 500/DIE RCT 10-1	1212245			4 ... 10	12 ... 8	1212252 CF 500/ COV RC 10	Outside/inside Ø (mm): 4 mm²: 5/3; 6 mm²: 6.5/3.8; 10 mm²: 7/4.5
CF 500/DIE RCT 10-2	1212246					1212252 CF 500/ COV RC 10	Outside/inside Ø (mm): 4 mm²: 5/3; 6 mm²: 5.5/3.8; 10 mm²: 6/4.5
CF 500/DIE RCT 10-3	1212256					1212252 CF 500/ COV RC 10	Outside/inside Ø (mm): 4 mm²: 5/3; 6 mm²: 6/4; 10 mm²: 8/5
CF 500/DIE RCT 4	1212243			0.1 ... 4	26 ... 12	1212253 CF 500/ COV RCT 4	
CF 500/DIE SC 1,5	1212241			0.1 ... 1.5	26 ... 16	1212251 CF 500/ COV SC	
CF 500/DIE SC 6	1212242			0.5 ... 6	20 ... 10	1212251 CF 500/ COV SC	
CF 500/DIE SR 6-2	1212692			2.5 ... 6	14 ... 10	1212255 CF 500/ COV RCI	For MC 4 solar contacts
CF 500/DIE TC HC 10	1324137			6 ... 10	10 ... 8	1212250 CF 500/ COV	For CK 4,0-ED... contacts
CF 500/DIE TC HC 4	1324132			0.14 ... 4	26 ... 12	1212255 CF 500/ COV RCI	For CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... contacts

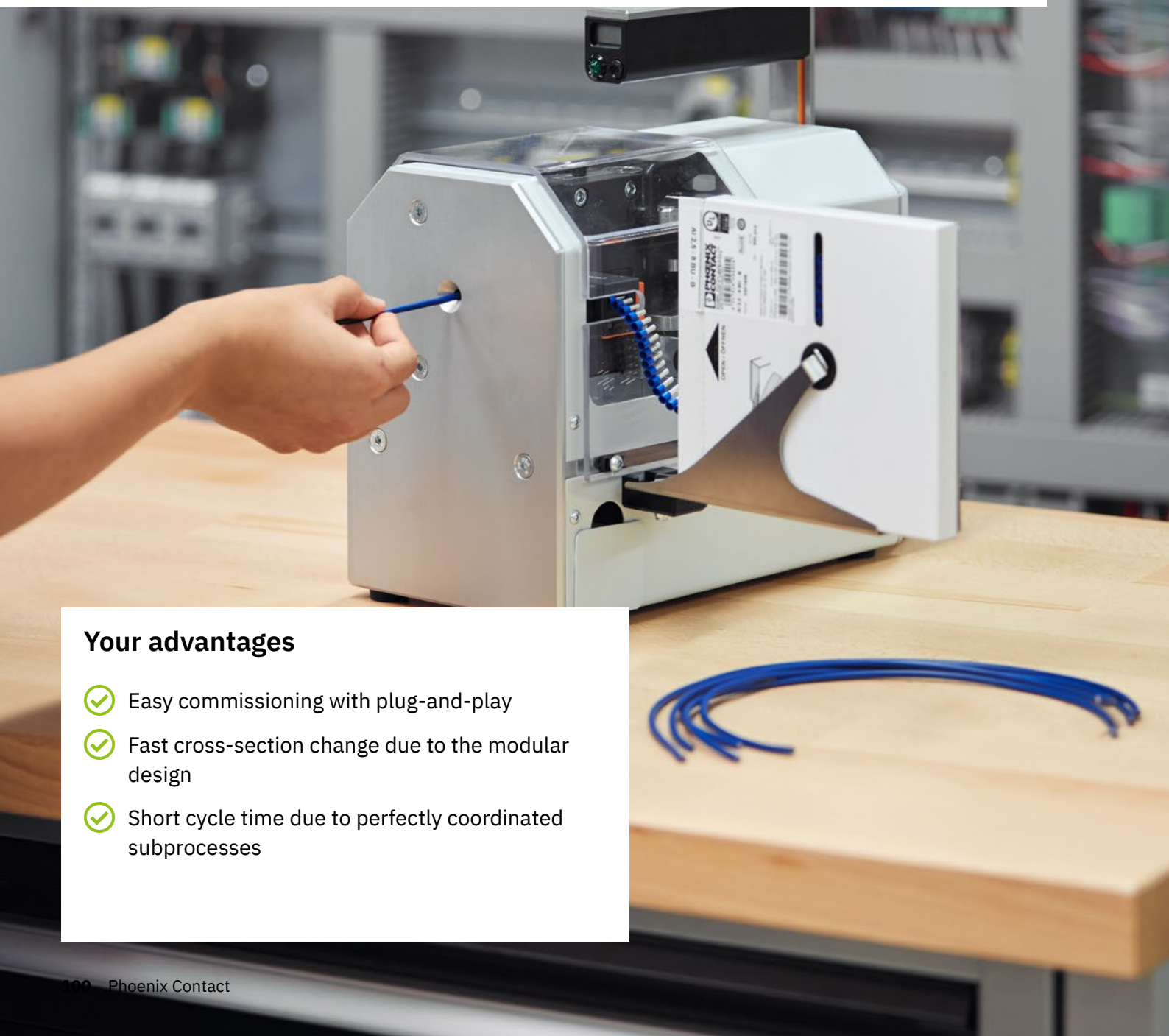
Automatic crimping device accessories

CF 500 locator

Type	Item no.	Connector	Crimp	Cross-section range		Die	Description
				mm²	AWG		
CF 500/LOC SCF 2,8/1,5	1212249			0.1 ... 1.5	26 ... 16	1212241 CF 500/ DIE SC 1,5	For slip-on sleeve 2.8x0.8 mm, length: 5 mm
CF 500/LOC SCF 4,8/2,5	1212248			0.5 ... 2.5	20 ... 14	1212241 CF 500/ DIE SC 1,5	For slip-on sleeve 4.8 x 0.8 mm
CF 500/LOC SCF 6,3/6	1212247			0.5 ... 6	20 ... 10	1212242 CF 500/ DIE SC 6	For slip-on sleeve 6.3 x 0.8 mm
CF 500/LOC SCM 6,3/2,5	1212264			0.5 ... 2.5	20 ... 14	1212242 CF 500/ DIE SC 6	For spade connector 6.3 x 0.8 mm
CF 500/LOC SCM 6,3/6	1212265			1.5 ... 6	16 ... 10	1212242 CF 500/ DIE SC 6	For spade connector 6.3 x 0.8 mm

Automatic stripping and crimping devices

Two functions in one device: process wires quickly and reliably in just one step with our automatic stripping and crimping devices. Devices are available for processing single ferrules as well as ferrules supplied as a taped product. With their modular design, the stripping and crimping machines can be quickly converted to different cross-sections.



Your advantages

- Easy commissioning with plug-and-play
- Fast cross-section change due to the modular design
- Short cycle time due to perfectly coordinated subprocesses

Automatic stripping and crimping devices

CF 3000 automatic stripping and crimping device

- Tool-free conversion
- Color-coded conversion kits
- Integrated counter that can be reset
- Processing of taped ferrules
- Including case with conversion kits 0.5 mm² ... 2.5 mm²
- Suitable for class 2 and class 5 standard PVC conductors (H05V-K/H07V-K). Other conductor and insulation types can be processed to a limited extent
- Carrying handle for changing workstations

Type	CF 3000-2,5	CF 3000-2,5 120V
Item no.	1205477 [1]	1205516 [1]
Connector		
Crimp		
Crimp length	8 mm	
Conductor cross-section, flexible	0.25 mm² ... 2.5 mm² AWG 24 ... 14	
Min. insertion length	49 mm	
Working cycle	1.2 s	
Dimensions (L x W x H)	320 mm x 165 mm x 300 mm	
Weight	12 kg	
Power consumption	80 W	
Supply voltage	230 V AC (50 Hz)	120 V (60 Hz)
Connector type	Pin connector pattern type E, F	Pin connector pattern type B

Accessories

Type	Item no.	Description
CF 3000-TOOLKIT 0,25	1212376	Extension kit, 0.25/0.34 mm²
CF 3000 AM 0,5	1205587	Replacement blade, 0.5 mm²
CF 3000 AM 0,75	1205590	Replacement blade, 0.75 mm²
CF 3000 AM 1,0	1205600	Replacement blade, 1.0 mm²
CF 3000 AM 1,5	1205613	Replacement blade, 1.5 mm²
CF 3000 AM 2,5	1205626	Replacement blade, 2.5 mm²
CF 3000 AB 0,25	1212380	Replacement blade, 0.25 mm², adjustable
CF 3000 AB 0,5	1207886	Replacement blade, 0.5 mm², adjustable
CF 3000 AB 0,75	1207899	Replacement blade, 0.75 mm², adjustable
CF 3000 AB 1,0	1207909	Replacement blade, 1.0 mm², adjustable
CF 3000 AB 1,5	1207912	Replacement blade, 1.5 mm², adjustable
CF 3000 AB 2,5	1207925	Replacement blade, 2.5 mm², adjustable

Accessories

Type	Item no.	Description
CF 3000 LOC 0,25	1212377	Replacement locator, 0.25 mm²
CF 3000 LOC 0,5	1205639	Replacement locator, 0.5 mm²
CF 3000 LOC 0,75	1205642	Replacement locator, 0.75 mm²
CF 3000 LOC 1,0	1205655	Replacement locator, 1.0 mm²
CF 3000 LOC 1,5	1205668	Replacement locator, 1.5 mm²
CF 3000 LOC 2,5	1205671	Replacement locator, 2.5 mm²

[1] Approved connection in accordance with UL 486F with marked Phoenix Contact ferrules

Automatic stripping and crimping devices

CF 1000-1.5 automatic stripping and crimping device

Information		Properties
Type / Item no.	CF 1000-1,5 / 1208199 [1)]	• Reduction of cycle time to 0.8 s possible in speed-up mode • Including conversion kits 0.5 mm² ... 1.5 mm² • Tool for conversion inside the housing • Additional mode for stripping the conductor only • Processing of loose ferrules with insulating collar • Ferrules with enlarged insulating collar (AI-GB ...) can be processed with additional conversion kits • Integrated forward and reverse counter that can be reset
Connector		
Crimp		
Max. crimp length	12 mm	
Conductor cross-section, flexible	0.25 mm² ... 4 mm² AWG 24 ... 12	
Min. insertion length	32 mm	
Working cycle	1.2 s	
Dimensions (L x W x H)	550 mm x 250 mm x 412 mm	
Weight	29 kg	
Power consumption	70 W	
Supply voltage	100 V AC ...240 V AC (50 Hz ...60 Hz)	
Air consumption per compression	1.2 l	
Compressed air connection	5.0 bar ... 6.00 bar	
Note	Including conversion kits 0.5 mm² ... 1.5 mm²	

CF 1000-1,5 conversion kit

Type	Item no.	Max. crimp length	Connector	Crimp	Cross-section range	
					mm²	AWG
CF 1000-TOOLKIT 0,34/6-8	1208226	8 mm			0.25 ... 0.34	24 ... 22
CF 1000-TOOLKIT 2,5/6-12	1208242	12 mm			2.5	14
CF 1000-TOOLKIT 4.0/10	1208271	10 mm			4	12

CF 1000-1,5 accessories

Type	Item no.	Description
CF 1000 EM	1205215	Replacement blade, 0.25 mm² ... 2.5 mm²
CF 1000 EM4.0	1212663	Replacement blade, 4 mm²
CF 1000 LOC0,5 GB	1212907	Locator für AI ... GB 0.5 mm²
CF 1000 LOC0,75 GB	1212908	Locator für AI ... GB 0.75 mm²
CF 1000 LOC1,0 GB	1212909	Locator für AI ... GB 1.0 mm²
CF 1000 LOC1,5 GB	1212910	Locator für AI ... GB 1.5 mm²
CF 1000 VEP1,5 GB	1206901	Separation plate, for AI ... GB, 0.5 ... 1.5 mm²

Automatic stripping and crimping devices

CF 1000-10 automatic stripping and crimping device

Information		Properties
Type / Item no.	CF 1000-10 / 1212456 [1]	• Tool for conversion inside the housing • Additional mode for stripping the conductor only • Processing of loose ferrules with insulating collar • Ferrules with enlarged insulating collar (AI-GB ...) can be processed with additional conversion kits • Integrated forward and reverse counter that can be reset
Connector		
Crimp		
Max. crimp length	12 mm	
Conductor cross-section, flexible	4 mm² ... 10 mm² AWG 12 ... 8	
Min. insertion length	40 mm	
Working cycle	1.5 s	
Dimensions (L x W x H)	550 mm x 250 mm x 412 mm	
Weight	29 kg	
Power consumption	70 W	
Supply voltage	100 V AC ...240 V AC (50 Hz ...60 Hz)	
Air consumption per compression	1.2 l	
Compressed air connection	5.00 bar ... 6.00 bar	
Note	Scope of supply without conversion kit	

CF 1000-10 conversion kit

Type	Item no.	Max. crimp length	Connector	Crimp	Cross-section range	
					mm²	AWG
CF 1000-10-TOOLKIT 4/10-12	1212458	12 mm			4	12
CF 1000-10-TOOLKIT 6/12	1212459	12 mm			6	10
CF 1000-10-TOOLKIT 10/12	1212460	12 mm			10	8

CF 1000-10 accessories

Type	Item no.	Description
CF 1000 EM4.0	1212663	Replacement blade, 4 mm²
CF 1000-10 EM6.0	1212664	Replacement blade, 6 mm²
CF 1000-10 EM10	1212665	Replacement blade, 10 mm²

[1] Approved connection in accordance with UL 486F with marked Phoenix Contact ferrules

Portable automatic stripping and crimping device

Process conductors in less than two seconds with the Crimphandy from Phoenix Contact. Our portable automatic stripping and crimping device revolutionizes classic conductor processing: just one tool, just one work step, and time savings of up to 75%. Automatic monitoring functions ensure consistently high-quality crimping results.

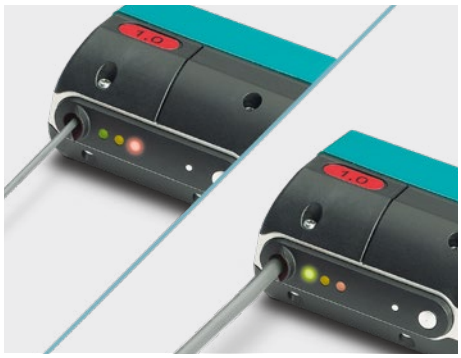
Your advantages

- Time saving of up to 75% through combining steps and very easy operation
- Unlimited mobile use with battery operation and supply magazine
- Consistently perfect results with automatic monitoring functions

Portable automatic stripping and crimping device

Easiest operation

The automated stripping and crimping function makes operating the device easier: Insert an unprocessed wire, strip and crimp it automatically – and you're done! The portable automatic stripping and crimping device continually indicates its operating state via color LEDs. There are only operating elements for switching the device on/off and resetting it.



Optimum results

The portable automatic stripping and crimping device is equipped with capacitive sensor technology for detecting the cross-section of inserted wires. The device automatically detects if a wire does not fit, reliably preventing faulty crimping. The error is indicated via an LED.

Mobile use

The portable automatic stripping and crimping device has a powerful, easy-to-replace lithium-ion polymer battery for up to 3,000 crimping operations. This means that the portable handheld device is ready to use for several days. The fast charger charges the battery to full capacity in just one hour.

Uninterrupted work

The portable automatic stripping and crimping device has an integrated magazine for ferrules in strip form. The automatic feed allows multiple wires to be crimped one after another without interruption.

Clean working environment

The portable automatic stripping and crimping device has a lightweight, removable collecting chamber for waste insulation. This guarantees a clean working environment. It allows the device to be used inside a control cabinet.

Easy wire cutting

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

Portable automatic stripping and crimping device

CRIMPHANDY				
Type	CF CRIMPHANDY 0,5	CF CRIMPHANDY 0,75	CF CRIMPHANDY 1,0	CF CRIMPHANDY 1,5
Item no.	1212463 [1]	1212464 [1]	1212465 [1]	1212466 [1]
Cross-section	0.5 mm²	0.75 mm²	1 mm²	1.5 mm²
Conductor diameter	1.7 mm ... 2.4 mm	1.9 mm ... 2.6 mm	2 mm ... 2.7 mm	2.4 mm ... 3.1 mm
Conductor type	PVC H05V-K	PVC H05V-K	PVC H05V-K	PVC H07V-K
Minimum insertion length	32 mm	32 mm	32 mm	32 mm
Connector				
Crimp				
Dimensions (L x W x H)	205 mm x 43 mm x 70 mm	205 mm x 43 mm x 70 mm	205 mm x 43 mm x 70 mm	205 mm x 43 mm x 70 mm
Weight	430 g	430 g	430 g	430 g
Working cycle	2 s	2 s	2 s	2 s
Scope of supply	Mobile automatic stripping and crimping device, service tool, replacement part (waste guide plate), cutting tool (CUTFOX 12), on-tape ferrules			

Accessories

You will find suitable accessories for the Crimphandy and for the crimping pliers in our online shop, including:

- Ferrules
- Replacement parts (e.g., piston, hose)
- Battery
- Charger
- Cutting unit
- Holder

An overview with the corresponding accessories is provided for each item.

Cutting unit for the Crimphandy

Holder for the Crimphandy

Replacement die for crimping pliers

[1] Approved connection in accordance with UL 486F with marked Phoenix Contact ferrules

Portable automatic stripping and crimping device

ZAP pneumatic crimping pliers

- Start the crimping cycle using the manual switch
- Duo press die for front and lateral conductor entry
- Eye for using a balancer
- 1 die nest
- Die width: 12 mm
- Insertion funnel allows for easy positioning
- Length 200 mm

Type	Item no.	Connector	Crimp	Cross-section range		Pressure range	Air consumption per compression
				mm²	AWG		
ZAP 25	1203110			0.25 … 2.5	24 … 14	4.00 bar … 6.00 bar	0.2 l
ZAP 40	1212630			0.25 … 4	24 … 12	4.00 bar … 6.00 bar	0.2 l
ZAP 100	1203259			4 … 10	12 … 8	4.00 bar … 6.00 bar	0.2 l

ZAP pneumatic crimping pliers (bench devices)

- Start the crimping cycle using a foot pedal
- Duo press die for front and lateral conductor entry
- 1 die nest
- Integrated part bins for ferrules
- Die width: 12 mm
- Insertion funnel allows for easy positioning
- Length 200 mm

Type	Item no.	Connector	Crimp	Cross-section range		Pressure range	Air consumption per compression
				mm²	AWG		
ZAP 25 T	1203123			0.25 … 2.5	24 … 14	4.00 bar … 6.00 bar	0.2 l
ZAP 100 T	1203262			4 … 10	12 … 8	4.00 bar … 6.00 bar	0.2 l

Worker assistance system for wire preparation

clipx WIRE assist worker assistance system

In industrial control cabinet building, processes still feature a large number of manual steps. There is still considerable potential in particular in wire preparation and processing. These time-consuming activities account for more than half of the time spent on control cabinet building. The clipx WIRE assist worker assistance system from Phoenix Contact is a “tool” for exploiting this potential as far as possible in terms of economy and efficiency.

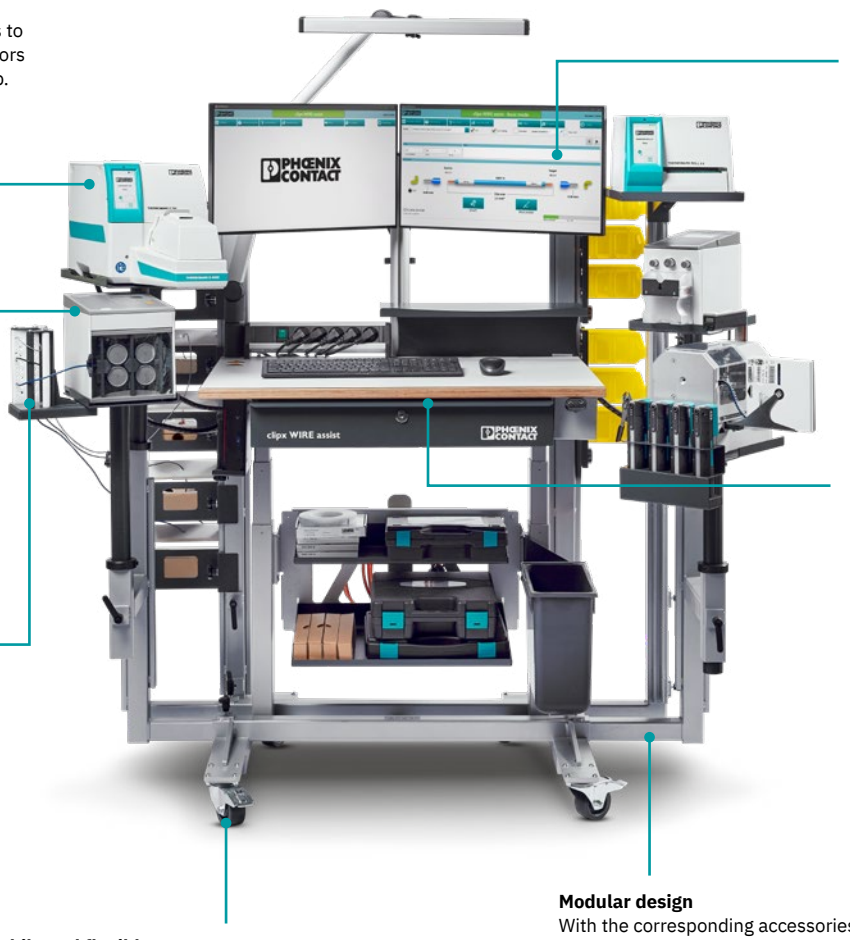
The clipx WIRE assist worker assistance system enables efficient wire processing. The software-supported system guides users through the process of semi-automated conductor processing, automatically controls the relevant automatic tools and marking systems, and provides the necessary information based on CAE data.

> Further information is available at: phoenixcontact.com/clipxwireassist

Marking systems
Use THERMOMARK E SERIES devices to print and install markings on conductors and cables in a single automated step.

Automatic tools
The proven automatic tools, such as the CUTFOX 10 automatic cutting device, enable a significant increase in efficiency in combination with automatic control provided by the software.

Wire supply
Depending on requirements, a wide range of different wires can be stocked and provided directly to the automatic cutting device.



Worker assistance software
The worker assistance software automatically controls the devices and intuitively guides the user through the process of wire preparation with subsequent wiring.

Height-adjustable workbench
The electrically height-adjustable worktop with pull-out drawers enables ergonomic workstation design. One advantage of this is the ability to switch between sitting and standing while working.

Mobile and flexible
Equipped with special industrial swivel casters with brakes, the clipx WIRE assist can be used wherever the work arises.

Modular design
With the corresponding accessories, the required automatic tools and printing systems can be secured directly to the workbench. The height and orientation of the devices can be tailored to the user’s personal needs.

Your advantages

Process reliability and efficiency

The necessary wiring information for the software-supported completion of the processes is exported from standard ECAD systems. The information is fed into the clipx WIRE assist system. In addition, an integrated editor function also allows data to be compiled manually.

Based on this data, the worker assistance software guides the worker through the semi-automated conductor finishing process. At the same time, the system's devices are controlled directly and the necessary information for further processing and wiring is visually enhanced and automatically displayed on the monitor in an easy-to-follow format.

Modularity

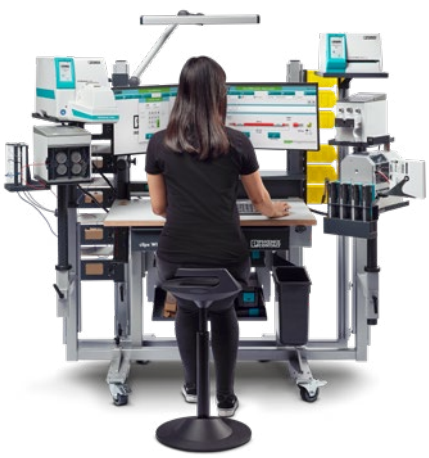
The modular design of the system gives the users the freedom to arrange their workstation as desired. To save space, automatic tools and printing systems can be attached directly to the worktop of the worker assistance system using the appropriate accessories. Guides are attached to the support arms and columns to hold additional accessories.

The devices can be positioned extremely flexibly in terms of height and orientation, and their positioning can be tailored to personal needs as well as the requirements of the task at hand.

Ergonomics and mobility

The height-adjustable clipx WIRE assist workbench is designed to satisfy ergonomic requirements. One advantage of this is the ability to switch between sitting and standing while working and the system can also be adapted to the physical height of the worker and/or to the activity to be completed. Ideal positioning of the printing systems and automatic tools in the working area reduces the reaching distance, which is another ergonomic benefit.

The worker assistance system is mounted on four industrial-grade castors with brakes, making it very mobile. This means that the system can be used where the work needs to be performed, thus reducing unnecessary legwork.



Ferrules and crimp connectors

For secure and reliable connections

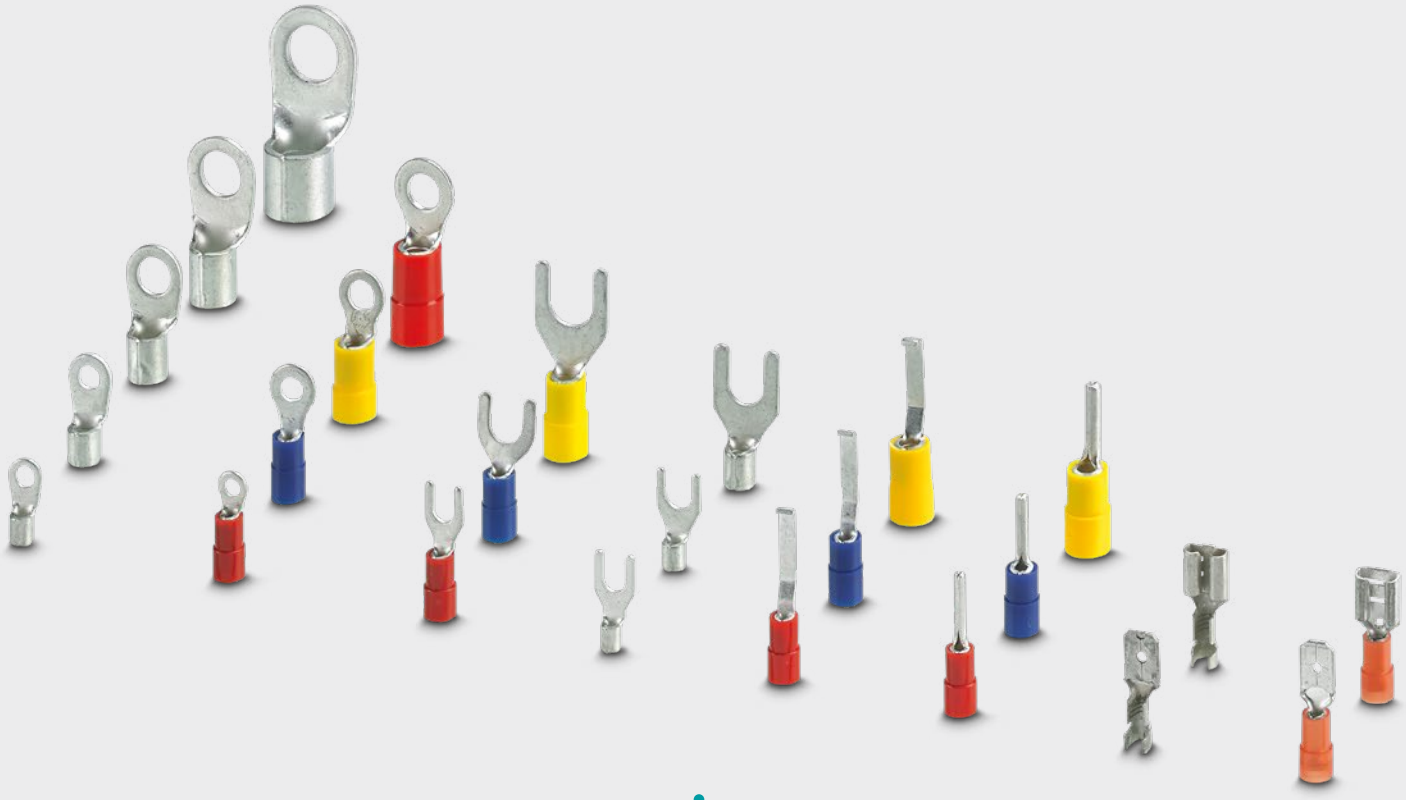
4

The product range from Phoenix Contact features a comprehensive range of ferrules and crimp connectors in different versions and for conductor cross-sections from 0.14 to 240 mm². Used in conjunction with our hand tools and automatic tools, you can achieve optimum and reliable crimp connections.

Ferrules

A comprehensive product range of uninsulated and insulated ferrules and TWIN ferrules in various versions and designs.

> More information starting on page 112



Crimp connectors

A comprehensive product range of uninsulated and insulated connectors in various versions and designs.

> More information starting on page 130

Ferrules

Ferrules are used in process-reliable conductor processing and wiring. They protect the conductors against splicing and make it easier to insert them in the clamping space. Process conductors professionally and safely with our high-quality ferrules – made in Germany.
Our comprehensive product range comprising uninsulated and insulated ferrules in various versions and designs also meets the requirements of international standards.

UL-certified connection in combination with a selection of our crimping tools and automatic tools.

Ferrules

Ferrules without insulating collar

The ferrules without insulating collar are made from soft tin-plated electrolytic copper. The uninsulated sleeves are primarily used in confined environments. They protect the conductor and facilitate further processing.

Ferrules with insulating collar

Ferrules with insulating collar protect against conductor splicing and facilitate insertion into the terminal shaft. They are made from soft tin-plated electrolytic copper. The conically shaped, Easy Entry insulating collar ensures easy and correct conductor insertion.

Ferrules for two-wire connection

The insulated ferrules, also known as TWIN ferrules, are suitable for crimping two conductors in a practical way in just one ferrule. Among other things, chain bridges can be realized with this ferrule type.

Ferrules with enlarged insulating collar

These specially designed ferrules are used for processing conductors with thicker insulation. Due to the increased diameter of the insulating collar, this type of ferrule is used in particular with AWG and Multinorm cables, as well as with UL, JIS, and short-circuit conductors.

Taped and banded ferrules

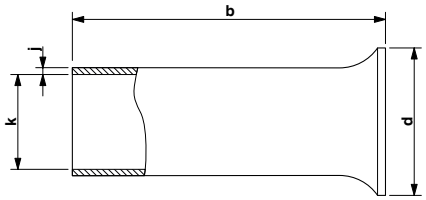
The strips are used for processing the conductors with the multifunctional CRIMPFOX 4 IN 1 crimping pliers and the mobile CF CRIMPHANDY automatic stripping and crimping device. Ferrules supplied as a taped product are used in fully and partially automated production.

Ferrule sets

Stripping and crimping sets, as well as various assortment boxes and cases, complete our ferrule portfolio. Our assortment boxes are available both empty and equipped with ferrules in various sizes and colors.

Ferrules

Ferrules without insulating collar



- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with DIN 46228-1 and UL 486F
- With “Easy Entry” (conical insertion area)
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	j	k	Pcs./Pkt.
		mm²	AWG	mm			
A 0,25- 5	3202465 1)2)	0.25	24	5	0.15	0.8	1000
A 0,25- 7	3202478 1)2)	0.25	24	7	0.15	0.8	1000
A 0.34- 5	2100140 1)2)	0.34	22	5	0.15	0.9	1000
A 0,34- 7	3009202 1)2)	0.34	22	7	0.15	0.9	1000
A 0,5- 6	3200218	0.5	20	6	0.15	1	1000
A 0,5- 8	3202481	0.5	20	8	0.15	1	1000
A 0,5- 10	3202494	0.5	20	10	0.15	1	1000
A 0,75- 6	3200221	0.75	18	6	0.15	1.2	1000
A 0,75- 8	3202504 1)3)	0.75	18	8	0.15	1.2	1000
A 0,75- 10	3200234	0.75	18	10	0.15	1.2	1000
A 0.75- 12	2100115 1)3)	0.75	18	12	0.15	1.2	1000
A 1 - 6	3200247	1	18	6	0.15	1.4	1000
A 1 - 7	2100093 1)3)	1	18	7	0.15	1.4	1000
A 1 - 8	3202517 1)3)	1	18	8	0.15	1.4	1000
A 1-10	3200250	1	18	10	0.15	1.4	1000
A 1-12	2100094 1)3)	1	18	12	0.15	1.4	1000
A 1,5 - 7	3200263	1.5	16	7	0.15	1.7	1000
A 1.5-8	2100075 1)3)	1.5	16	8	0.15	1.7	1000
A 1,5 -10	3200276	1.5	16	10	0.15	1.7	1000
A 1,5 -12	3202588	1.5	16	12	0.15	1.7	1000
A 1,5 -15	3202591 1)3)	1.5	16	15	0.15	1.7	1000
A 1,5 -18	3202601	1.5	16	18	0.15	1.7	1000
A 1.5-20	2100073 1)3)	1.5	16	20	0.15	1.7	1000
A 2,5 - 7	3200289	2.5	14	7	0.15	2.2	1000
A 2.5-8	2100060 1)3)	2.5	14	8	0.15	2.2	1000
A 2.5-10	2100062	2.5	14	10	0.15	2.2	1000
A 2,5 -12	3200292	2.5	14	12	0.15	2.2	1000
A 2.5-15	2100061 1)3)	2.5	14	15	0.15	2.2	1000
A 2,5 -18	3202821	2.5	14	18	0.15	2.2	1000
A 2.5-20	2100059 1)3)	2.5	14	20	0.15	2.2	1000
A 4 - 9	3200302	4	12	9	0.2	2.8	1000
A 4-10	2100052 1)3)	4	12	10	0.2	2.8	1000
A 4 -12	3200315	4	12	12	0.2	2.8	1000
A 4-15	2100050	4	12	15	0.2	2.8	1000
A 4 -18	3202834	4	12	18	0.2	2.8	1000

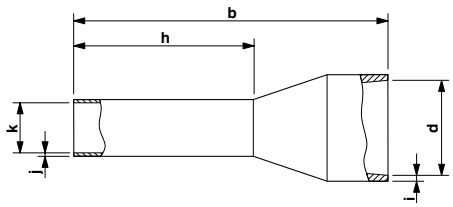
Ferrules

Type	Item no.	Cross-section range		b	j	k	Pcs./Pkt.
		mm²	AWG	mm			
A 4-20	2100051 [1)3)]	4	12	20	0.2	2.8	1000
A 6 -10	3202520	6	10	10	0.2	3.5	500
A 6 -12	3200328	6	10	12	0.2	3.5	500
A 6-15 -1000	2100042	6	10	15	0.2	3.5	1000
A 6-18 -1000	2100044	6	10	18	0.2	3.5	1000
A 6-20 -1000	2100045 [1)3)]	6	10	20	0.2	3.5	1000
A 6-25 -1000	2100046 [1)3)]	6	10	25	0.2	3.5	1000
A 10 -12	3200331	10	8	12	0.2	4.5	500
A 10-15	2100039	10	8	15	0.2	4.5	500
A 10 -18	3200344	10	8	18	0.2	4.5	500
A 10-20	2100040 [1)3)]	10	8	20	0.2	4.5	500
A 10 -25	1090628 [1)3)]	10	8	25	0.2	4.5	500
A 10 -32	1090629 [1)3)]	10	8	32	0.2	4.5	500
A 16 -12	3200425	16	6	12	0.2	5.8	100
A16-18	2100033	16	6	18	0.2	5.8	250
A 16-20	2100034 [1)3)]	16	6	20	0.2	5.8	250
A 16 -25	1090632	16	6	25	0.2	5.8	250
A 16 -32	1090633	16	6	32	0.2	5.8	250
A 25 -12	3200357 [1)3)]	25	4	12	0.2	7.3	100
A 25 -15	3200360	25	4	15	0.2	7.3	100
A 25 -18	3200373	25	4	18	0.2	7.3	100
A 25 -20	3200386 [1)3)]	25	4	20	0.2	7.3	100
A 25 -25	1090634	25	4	25	0.2	7.3	100
A 25 -32	1090636	25	4	32	0.2	7.3	100
A 25 -40	3241238 [1)3)]	25	4	40	0.2	7.3	100
A 35 -12	2100029 [1)3)]	35	2	12	0.2	8.3	100
A 35 -18	3200399	35	2	18	0.2	8.3	100
A 35 -20	3200409 [1)3)]	35	2	20	0.2	8.3	100
A 35 -32	1090638	35	2	32	0.2	8.2	100
A 35 -40	3241239 [1)3)]	35	2	40	0.2	8.2	100
A 50 -18	2100025	50	1/0	18	0.3	10.3	100
A 50 -22	2100026 [1)3)]	50	1/0	22	0.3	10.3	100
A 50 -25	2100024	50	1/0	25	0.3	10.3	100
A 50 -32	1090639	50	1/0	32	0.3	10.3	100
A 50 -40	3241240 [1)3)]	50	1/0	40	0.3	10.3	100
A 70 -25	2100022 [1)3)]	70	2/0	25	0.4	12.5	100
A 70 -32	2100021 [1)3)]	70	2/0	32	0.4	12.5	100
A 70 -40	3241241 [1)3)]	70	2/0	40	0.4	12.5	100
A 95-25	2100020 [1)3)]	95	3/0	25	0.4	14.5	50
A 95 -30	2100019 [1)3)]	95	3/0	30	0.4	14.5	50
A 95 -32	2100018 [1)3)]	95	3/0	32	0.4	14.5	50
A 95 -40	3241242 [1)3)]	95	3/0	40	0.4	14.5	100
A 120 -40	1090640 [1)3)]	120	250 MCM	40	0.5	17.7	50

[1)] These ferrules are not UL certified.
[2)] These ferrules are not included in DIN 46228-1: 2020-03.
[3)] These ferrules are not included in DIN 46228-1: 2020-03 or UL 486F.

Ferrules

Ferrules with insulating collar, DIN 46228-4, UL 486F



- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with DIN 46228-1 and UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 0,14-6 BN	2100148 [2]	0.14	26	10.5	2	6	0.25	0.15	0.8	Brown	100
AI 0,14- 6 GY -1000	1034128 [2]	0.14	26	10.5	2	6	0.25	0.15	0.8	Gray	1000
AI 0,14-8 BN	2100149 [2]	0.14	26	12.5	2	8	0.25	0.15	0.8	Brown	100
AI 0,14- 8 GY -1000	3203011 [2]	0.14	26	12.5	2	8	0.25	0.15	0.8	Gray	1000
AI 0,25-6 VT	2100146 [2]	0.25	24	10.5	2	6	0.25	0.15	0.8	Violet	100
AI 0,25- 6 YE	3203024 [2]	0.25	24	10.5	2	6	0.25	0.15	0.8	Yellow	100
AI 0,25- 6 BU	3203040 [2]	0.25	24	10.5	2	6	0.25	0.15	0.8	Blue	100
AI 0,25-8 YE-1000	2100145 [2]	0.25	24	12.5	2	8	0.25	0.15	0.8	Yellow	1000
AI 0,25-8 VT	2100147 [2]	0.25	24	12.5	2	8	0.25	0.15	0.8	Violet	100
AI 0,25- 8 BU	3201364 [2]	0.25	24	12.5	2	8	0.25	0.15	0.8	Blue	100
AI 0,25- 8 YE	3203037 [2]	0.25	24	12.5	2	8	0.25	0.15	0.8	Yellow	100
AI 0,25-10 YE	3241128 [1)3)]	0.25	24	14.5	2	10	0.25	0.15	0.8	Yellow	100
AI 0,25-12 BU	3200632 [1)3)]	0.25	24	16	2	12	0.25	0.15	0.8	Blue	100
AI 0,34-6 PK	2100138	0.34	22	10.5	2	6	0.25	0.15	0.8	Pink	100
AI 0,34- 6 TQ	3203053	0.34	22	10.5	2	6	0.25	0.15	0.8	Turquoise	100
AI 0,34-8 PK	2100139	0.34	22	12.5	2	8	0.25	0.15	0.8	Pink	100
AI 0,34-8 TQ-25000	2100141	0.34	22	12.5	2	8	0.25	0.15	0.8	Turquoise	25000
AI 0,34- 8 TQ	3203066	0.34	22	12.5	2	8	0.25	0.15	0.8	Turquoise	100
AI 0,34-10 TQ-25000	2100142	0.34	22	14.5	2	10	0.25	0.15	0.8	Turquoise	25000
AI 0,34-10 TQ	3241129	0.34	22	14.5	2	10	0.25	0.15	0.8	Turquoise	100
AI 0,34-12 TQ	3200645	0.34	22	16.5	2	12	0.25	0.15	0.8	Turquoise	100
AI 0,5 - 6 WH	3200687	0.5	20	12	2.5	6	0.25	0.15	1.1	White	100
AI 0,5 - 6 OG	3201301	0.5	20	12	2.5	6	0.25	0.15	1.1	Orange	100
AI 0,5-8 WH-25000	2100133	0.5	20	14	2.5	8	0.25	0.15	1.1	White	25000
AI 0,5 - 8 WH	3200014	0.5	20	14	2.5	8	0.25	0.15	1.1	White	100
AI 0,5 - 8 WH -1000	3200881	0.5	20	14	2.5	8	0.25	0.15	1.1	White	1000
AI 0,5 - 8 OG	3201123	0.5	20	14	2.5	8	0.25	0.15	1.1	Orange	100
AI 0,5 - 8 OG-1000	3202902	0.5	20	14	2.5	8	0.25	0.15	1.1	Orange	1000
AI 0,5-10 WH-25000	2100136	0.5	20	16	2.5	10	0.25	0.15	1.1	White	25000
AI 0,5 -10 WH	3201275	0.5	20	16	2.5	10	0.25	0.15	1.1	White	100
AI 0,5 -10 OG	3241126	0.5	20	16	2.5	10	0.25	0.15	1.1	Orange	500
AI 0,5 -12 WH	3200506 [1)3)]	0.5	20	18	2.5	12	0.25	0.15	1.1	White	100

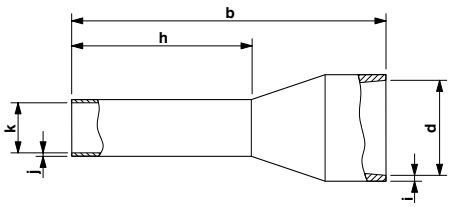
Ferrules

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 0.75-6 BU	2100106	0.75	18	12	2.8	6	0.25	0.15	1.3	Light blue	100
AI 0,75-6 GY-25000	2100120	0.75	18	12	2.8	6	0.25	0.15	1.3	Gray	25000
AI 0,75- 6 WH	3201314	0.75	18	12	2.8	6	0.25	0.15	1.3	White	100
AI 0,75- 6 GY	3200690	0.75	18	12	2.8	6	0.25	0.15	1.3	Gray	100
AI 0,75-8 WH-1000	2100118	0.75	18	14	2.8	8	0.25	0.15	1.3	White	1000
AI 0,75-8 GY-25000	2100121	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	25000
AI 0,75- 8 BU -1000	1213200	0.75	18	14	2.8	8	0.25	0.15	1.3	Blue	1000
AI 0,75- 8 BU	3200027	0.75	18	14	2.8	8	0.25	0.15	1.3	Blue	100
AI 0,75- 8 WH	3201110	0.75	18	14	2.8	8	0.25	0.15	1.3	White	100
AI 0,75- 8 GY	3200519	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	100
AI 0,75- 8 GY -1000	3200894	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	1000
AI 0.75-10 BU	2100109	0.75	18	16	2.8	10	0.25	0.15	1.3	Light blue	100
AI 0,75-10 WH	2100114	0.75	18	16	2.8	10	0.25	0.15	1.3	White	100
AI 0,75-10 GY-25000	2100122	0.75	18	16	2.8	10	0.25	0.15	1.3	Gray	25000
AI 0,75-10 GY	3201288	0.75	18	16	2.8	10	0.25	0.15	1.3	Gray	100
AI 0,75-10 GY-1000	3203118	0.75	18	16	2.8	10	0.25	0.15	1.3	Gray	1000
AI 0.75-12 BU	2100105	0.75	18	18	2.8	12	0.25	0.15	1.3	Light blue	100
AI 0,75-12 WH	2100110	0.75	18	18	2.8	12	0.25	0.15	1.3	White	100
AI 0,75-12 GY	3200849	0.75	18	18	2.8	12	0.25	0.15	1.3	Gray	100
AI 1 - 6 RD	3200742	1	18	12	3	6	0.3	0.15	1.5	Red	100
AI 1 - 6 YE	3201327	1	18	12	3	6	0.3	0.15	1.5	Yellow	100
AI-S 1-8 TQ-25000	2100081[1]	1	18	14	2.8	8	0.25	0.15	1.5	Turquoise	25000
AI 1-8 RD-25000	2100096	1	18	14	2.8	8	0.25	0.15	1.5	Red	25000
AI 1 - 8 YE-1000	3202915	1	18	14	3	8	0.3	0.15	1.5	Yellow	1000
AI-S 1 - 8 TQ	1200293[1]	1	18	14	2.8	8	0.25	0.15	1.5	Turquoise	100
AI 1 - 8 YE	3201097	1	18	14	3	8	0.3	0.15	1.5	Yellow	100
AI 1 - 8 RD	3200030	1	18	14	3	8	0.3	0.15	1.5	Red	100
AI 1 - 8 RD -1000	3200904	1	18	14	3	8	0.3	0.15	1.5	Red	1000
AI 1-10 RD-25000	2100098	1	18	16	3	10	0.3	0.15	1.5	Red	25000
AI 1-10 YE	2100089	1	18	16	3	10	0.3	0.15	1.5	Yellow	100
AI 1 -10 RD	3200182	1	18	16	3	10	0.3	0.15	1.5	Red	100
AI 1 -10 RD-1000	3203121	1	18	16	3	10	0.3	0.15	1.5	Red	1000
AI 1-12 YE	2100086	1	18	18	3	12	0.3	0.15	1.5	Yellow	100
AI 1 -12 RD -1000	1200311	1	18	18	3	12	0.3	0.15	1.5	Red	1000
AI 1 -12 RD	3200674	1	18	18	3	12	0.3	0.15	1.5	Red	100
AI 1.5-6 RD	2100072[1)3)]	1.5	16	12	3.4	6	0.3	0.15	1.7	Red	100
AI 1,5 - 6 BK	3200755[1)3)]	1.5	16	12	3.4	6	0.3	0.15	1.7	Black	100
AI 1,5-8 BK-20000	2100078	1.5	16	14	3.4	8	0.3	0.15	1.7	Black	20000

[1] These ferrules are not UL certified.
[2] These ferrules are not included in DIN 46228-1: 2020-03.
[3] These ferrules are not included in DIN 46228-1: 2020-03 or UL 486F.

Ferrules

Ferrules with insulating collar, DIN 46228-4, UL 486F



- UL certified
- Made from soft tin-plated electrolytic copper
- Correspond to the requirements of DIN 46228-1 and UL 486F in terms of size
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 1,5 - 8 BK	3200043	1.5	16	14	3.4	8	0.3	0.15	1.7	Black	100
AI 1,5 - 8 BK -1000	3200917	1.5	16	14	3.4	8	0.3	0.15	1.7	Black	1000
AI 1,5 - 8 RD	3201136	1.5	16	14	3.4	8	0.3	0.15	1.7	Red	100
AI 1,5 - 8 RD-1000	3202928	1.5	16	14	3.4	8	0.3	0.15	1.7	Red	1000
AI 1,5-10 BK-20000	2100080	1.5	16	16	3.4	10	0.3	0.15	1.7	Black	20000
AI 1.5-10 RD	2100071	1.5	16	16	3.4	10	0.3	0.15	1.7	Red	100
AI 1,5 -10 BK	3200195	1.5	16	16	3.4	10	0.3	0.15	1.7	Black	100
AI 1,5 -10 BK-1000	3203134	1.5	16	16	3.4	10	0.3	0.15	1.7	Black	1000
AI 1.5-12 RD	2100070	1.5	16	18	3.4	12	0.3	0.15	1.7	Red	100
AI 1,5 -12 BK -1000	1200310	1.5	16	18	3.4	12	0.3	0.15	1.7	Black	1000
AI 1,5 -12 BK	3201482	1.5	16	18	3.4	12	0.3	0.15	1.7	Black	100
AI 1,5 -18 BK	3200056	1.5	16	24	3.4	18	0.3	0.15	1.7	Black	100
AI 1,5 -18 RD	3241125	1.5	16	24	3.4	18	0.3	0.15	1.7	Red	500
AI 2,5-8 BU-15000	2100063	2.5	14	14	4.2	8	0.3	0.15	2.3	Blue	15000
AI 2,5 - 8 BU	3200522	2.5	14	14	4.2	8	0.3	0.15	2.3	Blue	100
AI 2,5 - 8 BU -1000	3200920	2.5	14	14	4.2	8	0.3	0.15	2.3	Blue	1000
AI 2,5 - 8 GY	3200069	2.5	14	14	4.2	8	0.3	0.15	2.3	Gray	100
AI 2,5 -8 GY -1000	1213201	2.5	14	14	4.2	8	0.3	0.15	2.3	Gray	1000
AI 2,5-10 BU-15000	2100065 [1) 3)]	2.5	14	17	4.2	10	0.3	0.15	2.3	Blue	15000
AI 2,5 -10 BU	3202533 [1) 3)]	2.5	14	17	4.2	10	0.3	0.15	2.3	Blue	100
AI 2,5 -10 BU-1000	3203147 [1) 3)]	2.5	14	17	4.2	10	0.3	0.15	2.3	Blue	1000
AI 2,5-12 BU-10000	2100064	2.5	14	18	4.2	12	0.3	0.15	2.3	Blue	10000
AI 2,5 -12 GY	3200205	2.5	14	18	4.2	12	0.3	0.15	2.3	Gray	100
AI 2,5 -12 BU -1000	1200309	2.5	14	18	4.2	12	0.3	0.15	2.3	Blue	1000
AI 2,5 -12 BU	3200962	2.5	14	18	4.2	12	0.3	0.15	2.3	Blue	100
AI 2,5 -18 GY	3200072	2.5	14	24	4.2	18	0.3	0.15	2.3	Gray	100
AI 2,5 -18 BU	3200580	2.5	14	24	4.2	18	0.3	0.15	2.3	Blue	100
AI 4 -15 GY	1200264 [1) 3)]	4	12	22.5	4.8	15	0.3	0.2	2.8	Gray	100
AI 4 -12 GY -1000	1200307	4	12	20	4.8	12	0.3	0.2	2.8	Gray	1000
AI 4 -10 GY -1000	1200308	4	12	17	4.8	10	0.3	0.2	2.8	Gray	1000

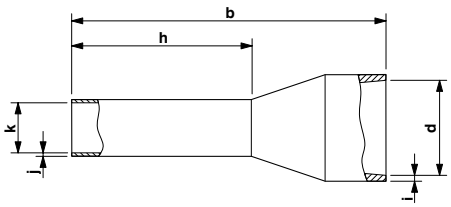
Ferrules

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 4 -10 OG -1000	1213202	4	12	17	4.8	10	0.3	0.2	2.8	Orange	1000
AI 4-12 GY-5000	2100053	4	12	20	4.8	12	0.3	0.2	2.8	Gray	5000
AI 4-10 OG-5000	2100054	4	12	17	4.8	10	0.3	0.2	2.8	Orange	5000
AI 4-10 GY-5000	2100055	4	12	17	4.8	10	0.3	0.2	2.8	Gray	5000
AI 4 -10 OG	3200085	4	12	17	4.8	10	0.3	0.2	2.8	Orange	100
AI 4 -18 OG	3200098	4	12	26	4.8	18	0.3	0.2	2.8	Orange	100
AI 4 -12 OG	3200438	4	12	20	4.8	12	0.3	0.2	2.8	Orange	100
AI 4 -10 GY	3200535	4	12	17	4.8	10	0.3	0.2	2.8	Gray	100
AI 4 -18 GY	3200593	4	12	26	4.8	18	0.3	0.2	2.8	Gray	100
AI 4 -12 GY	3200959	4	12	20	4.8	12	0.3	0.2	2.8	Gray	100
AI 6-12 YE-1000	2100047	6	10	20	6.2	12	0.3	0.2	3.5	Yellow	1000
AI 6 -12 YE	3200548	6	10	20	6.2	12	0.3	0.2	3.5	Yellow	100
AI 6 -12 BK -1000	1004301	6	10	20	6.2	12	0.3	0.2	3.5	Black	1000
AI 6 -12 TR	1200129	6	10	20	6.2	12	0.3	0.2	3.5	Turquoise	100
AI 6 -12 GN -1000	1213203	6	10	20	6.2	12	0.3	0.2	3.5	Green	1000
AI 6 -12 GN	3200108	6	10	20	6.2	12	0.3	0.2	3.5	Green	100
AI 6 -12 BK	3201107	6	10	20	6.2	12	0.3	0.2	3.5	Black	100
AI 6-18 BK	2100043	6	10	26	6.2	18	0.3	0.2	3.5	Black	100
AI 6-18 YE-2500	2100048	6	10	26	6.2	18	0.3	0.2	3.5	Yellow	2500
AI 6 -18 GN	3200111	6	10	26	6.2	18	0.3	0.2	3.5	Green	100
AI 6 -18 YE	3200603	6	10	26	6.2	18	0.3	0.2	3.5	Yellow	100
AI 10-12 RD-2500	2100041	10	8	22	7.5	12	0.3	0.2	4.6	Red	2500
AI 10 -12 TR	1200128	10	8	22	7.5	12	0.3	0.2	4.6	Turquoise	100
AI 10 -12 BN	3200124	10	8	22	7.5	12	0.3	0.2	4.6	Brown	100
AI 10 -12 RD	3200551	10	8	22	7.5	12	0.3	0.2	4.6	Red	100
AI 10 -12 IV	3201068	10	8	22	7.5	12	0.3	0.2	4.6	Ivory	100
AI 10-18 RD-1500	2100037	10	8	28	7.5	18	0.3	0.2	4.6	Red	1500
AI 10-18 IV	2100038	10	8	28	7.5	18	0.3	0.2	4.6	Ivory	100
AI 10 -18 BN	3200137	10	8	28	7.5	18	0.3	0.2	4.6	Brown	100
AI 10 -18 RD	3200616	10	8	28	7.5	18	0.3	0.2	4.6	Red	100
AI 16-12 BU-1500	2100036	16	6	24	8.8	12	0.4	0.2	5.8	Blue	1500
AI 16 -12 BU	3200564	16	6	24	8.8	12	0.4	0.2	5.8	Blue	100
AI 16 -12 WH	3200140	16	6	24	8.8	12	0.4	0.2	5.8	White	100
AI 16 -12 GN	3201152	16	6	24	8.8	12	0.4	0.2	5.8	Green	100
AI 16 -12 IV	3201181	16	6	24	8.8	12	0.4	0.2	5.8	Ivory	100
AI 16-18 BU-1000	2100035	16	6	28	8.8	18	0.4	0.2	5.8	Blue	1000
AI 16 -18 WH	3200153	16	6	28	8.8	18	0.4	0.2	5.8	White	100

[1] These ferrules are not UL certified.
[2] These ferrules are not included in DIN 46228-1: 2020-03.
[3] These ferrules are not included in DIN 46228-1: 2020-03 or UL 486F.

Ferrules

Ferrules with insulating collar, DIN 46228-4, UL 486F

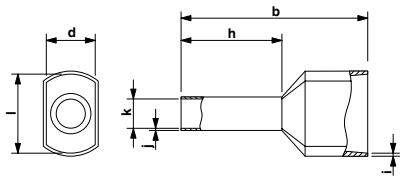


- UL certified
- Made from soft tin-plated electrolytic copper
- Correspond to the requirements of DIN 46228-1 and UL 486F in terms of size
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 16 -18 BU	3200629	16	6	28	8.8	18	0.4	0.2	5.8	Blue	100
AI 16 -18 GN	3201330	16	6	28	8.8	18	0.4	0.2	5.8	Green	100
AI 25 -16 BK	3200412	25	4	30	11	16	0.5	0.2	7.3	Black	50
AI 25 -16 YE	3200577	25	4	30	11	16	0.5	0.2	7.3	Yellow	50
AI 25 -16 BN	3201084	25	4	30	11	16	0.5	0.2	7.3	Brown	50
AI 25-18 BN	2100030	25	4	30	11	18	0.5	0.2	7.3	Brown	50
AI 25-18 BK	2100032	25	4	30	11	18	0.5	0.2	7.3	Black	50
AI 25 -18 YE	3201505	25	4	30	11	18	0.5	0.2	7.3	Yellow	50
AI 25-22 BN	2100031	25	4	36	11	22	0.5	0.2	7.3	Brown	50
AI 25 -22 YE	3200700	25	4	36	11	22	0.5	0.2	7.3	Yellow	50
AI 25 -22 BK	3200739	25	4	36	11	22	0.5	0.2	7.3	Black	50
AI 35 -16 BE	3201071	35	2	30	12.5	16	0.5	0.2	8.3	Beige	50
AI 35 -16 RD	3200441	35	2	30	12.5	16	0.5	0.2	8.3	Red	50
AI 35-18 BE	2100028	35	2	30	12.5	18	0.5	0.2	8.3	Beige	50
AI 35 -18 RD	3201495	35	2	30	12.5	18	0.5	0.2	8.3	Red	50
AI 35-25 BE	2100027	35	2	39	12.5	25	0.5	0.2	8.3	Beige	50
AI 35 -25 RD	3200713	35	2	39	12.5	25	0.5	0.2	8.3	Red	50
AI 50 -20 BU	3200454	50	1/0	36	15	20	0.6	0.35	10.3	Blue	50
AI 50 -20 OL	3201178	50	1/0	36	15	20	0.6	0.35	10.3	Olive	50
AI 50-25 OL	2100023	50	1/0	40	15	25	0.6	0.35	10.3	Olive	25
AI 50-25 BK	3240678	50	1/0	40	15	25	0.6	0.35	10.3	Black	1000
AI 50 -25 BU	3200726	50	1/0	40	15	25	0.6	0.35	10.3	Blue	25
AI 70 -20 YE	3201848 [1) 3)]	70	2/0	37	16	20	0.6	0.35	12.7	Yellow	25
AI 95 -25 RD	3201853 [1) 3)]	95	3/0	44	18	25	0.6	0.35	14.7	Red	25
AI120 -27 BU	3201822 [1) 3)]	120	250 MCM	48	21	27	0.7	0.45	16.7	Blue	25
AI 150-32 YE	2100017 [1) 3)]	150	300 MCM	58	22.6	32	1	0.5	18.6	Yellow	25

Ferrules

Ferrules for two-wire connection



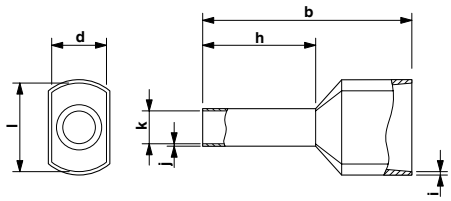
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI-TWIN 2X 0,5 - 8 OG	2100015	0.5	20	15	2.5	8	0.25	0.15	1.5	Orange	100
AI-TWIN 2X 0,5 - 8 WH	3200933	0.5	20	15	2.5	8	0.25	0.15	1.5	White	100
AI-TWIN 2X 0,5 - 10 OG	2100016 [1)4)]	0.5	20	17	2.5	10	0.25	0.15	1.5	Orange	100
AI-TWIN 2X 0,5-10 WH	3203309 [1)4)]	0.5	20	17	2.5	10	0.25	0.15	1.5	White	100
AI-TWIN 2X 0,75 - 8 WH	2100011	0.75	18	15	2.8	8	0.25	0.15	1.7	White	100
AI-TWIN 2X 0,75- 8 GY	3200807	0.75	18	15	2.8	8	0.25	0.15	1.7	Gray	100
AI-TWIN 2X 0,75- 8 BU	3240668	0.75	18	15	2.8	8	0.25	0.15	1.7	Blue	100
AI-TWIN 2X 0,75 - 10 BU	2100009	0.75	18	10	2.8	10	0.25	0.15	1.7	Light blue	100
AI-TWIN 2X 0,75 - 10 WH	2100010	0.75	18	17	2.8	10	0.25	0.15	1.7	White	100
AI-TWIN 2X 0,75-10 GY	3200975	0.75	18	17	2.8	10	0.25	0.15	1.7	Gray	100
AI-TWIN 2X 0,75 - 12 BU	2100012 [1)4)]	0.75	18	19	2.5	12	0.25	0.15	1.5	Blue	100
AI-TWIN 2X 0,75 - 12 GY	2100013 [1)4)]	0.75	18	19	2.5	12	0.25	0.15	1.5	Gray	100
AI-TWIN 2X 0,75 - 12 WH	2100014 [1)4)]	0.75	18	19	2.5	12	0.25	0.15	1.5	White	100
AI-TWIN 2X 1 - 8 YE	2100008	1	18	8	3.4	8	0.3	0.15	2.05	Yellow	100
AI-TWIN 2X 1 - 8 RD	3200810	1	18	15	3.4	8	0.3	0.15	2.05	Red	100
AI-TWIN 2X 1 -10 RD	3200988	1	18	17	3.4	10	0.3	0.15	2.05	Red	100
AI-TWIN 2X 1 - 12 YE	2100007	1	18	12	3.4	12	0.3	0.15	2.05	Yellow	100
AI-TWIN 2X1-12 RD	3240679	1	18	19	3.4	12	0.3	0.15	2.05	Red	100
AI-TWIN 2X 1,5 - 8 RD	2100006	1.5	16	8	3.6	8	0.3	0.15	2.3	Red	100
AI-TWIN 2X 1,5 - 8 BK	3200823	1.5	16	16	3.6	8	0.3	0.15	2.3	Black	100
AI-TWIN 2X 1,5 -10 BK	3201534 [1)4)]	1.5	16	18	3.6	10	0.3	0.15	2.3	Black	100
AI-TWIN 2X 1,5 - 12 RD	2100005	1.5	16	12	3.6	12	0.3	0.15	2.3	Red	100
AI-TWIN 2X 1,5 -12 BK	3200991	1.5	16	20	3.6	12	0.3	0.15	2.3	Black	100
AI-TWIN 2X 2,5 -10 BU	3200836	2.5	14	18.5	4.2	10	0.3	0.2	2.9	Blue	100
AI-TWIN 2X 2,5 -10 GY	3240669	2.5	14	18.5	4.2	10	0.3	0.2	2.9	Gray	100
AI-TWIN 2X 2,5 -13 BU	3200878	2.5	14	21.5	4.2	13	0.3	0.2	2.9	Blue	100
AI-TWIN 2X 2,5 -16 BU	1200281 [1)4)]	2.5	14	21.5	4.2	16	0.3	0.2	2.9	Blue	100

1) These ferrules are not UL certified.
2) These ferrules are not included in DIN 46228-1: 2020-03.
3) These ferrules are not included in DIN 46228-1: 2020-03 or UL 486F.
4) These ferrules are not included in UL 486F.

Ferrules

Ferrules for two-wire connection



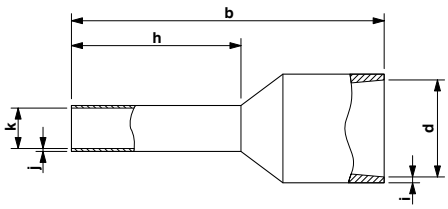
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI-TWIN 2X 4 -12 GY	3201000	4	12	23	4.9	12	0.3	0.2	3.8	Gray	100
AI-TWIN 2X 4 -12 OG	1213204	4	12	23	4.9	12	0.3	0.2	3.8	Orange	100
AI-TWIN 2X 4 - 18 GY	2100003 [1)4)]	4	12	18	4.9	18	0.3	0.2	3.8	Gray	100
AI-TWIN 2X 4 - 18 OG	2100004 [1)4)]	4	12	18	4.9	18	0.3	0.2	3.8	Orange	100
AI-TWIN 2X 6 -14 GN	1213205 [1)]	6	10	25	5.9	14	0.4	0.2	4.9	Green	100
AI-TWIN 2X 6 -14 YE	3201013 [1)]	6	10	25	5.9	14	0.4	0.2	4.9	Yellow	100
AI-TWIN 2X 6 - 18 BK	2100000 [1)4)]	6	10	18	5.9	18	0.4	0.2	4.9	Black	100
AI-TWIN 2X 6 - 18 GN	2100001 [1)4)]	6	10	18	5.9	18	0.4	0.2	4.9	Green	100
AI-TWIN 2X 6 - 18 YE	2100002 [1)4)]	6	10	18	5.9	18	0.4	0.2	4.9	Yellow	100
AI-TWIN 2X10 -14 BN	1213206	10	8	26	7.2	14	0.4	0.2	6.5	Brown	100
AI-TWIN 2X10 -14 RD	3201026	10	8	26	7.2	14	0.4	0.2	6.5	Red	100
AI-TWIN 2X16 -16 WH	1213207 [1)4)]	16	6	30	8.8	16	0.5	0.2	8.5	White	50
AI-TWIN 2X16 -16 BU	3202847 [1)4)]	16	6	30	8.8	16	0.5	0.2	8.5	Blue	50

[1)] These ferrules are not UL certified.
[2)] These ferrules are not included in DIN 46228-1: 2020-03.
[3)] These ferrules are not included in DIN 46228-1: 2020-03 or UL 486F.
[4)] These ferrules are not included in UL 486F.

Ferrules

Ferrules with enlarged insulating collar (e.g., short-circuit and ground fault-proof cables)

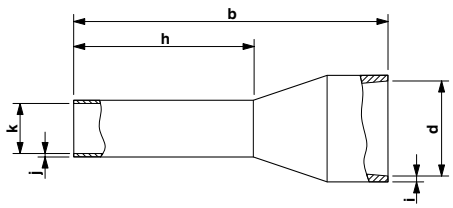


- Suitable for short-circuit-proof cables (NSGAFÖU), for example, due to the significantly increased collar diameter
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI-XL 1,5- 8 BK	3201916	1.5	16	17.5	7	8	0.3	0.15	1.8	Black	100
AI-XL 1,5-10 BK	3201974	1.5	16	19.5	7	10	0.3	0.15	1.8	Black	100
AI-XL 2,5- 8 BU	3201929	2.5	14	17.5	7.9	8	0.3	0.15	2.3	Blue	100
AI-XL 2,5-12 BU	3201987	2.5	14	21.5	7.9	12	0.3	0.15	2.3	Blue	100
AI-XL 4 -10 GY	3201932	4	12	19.5	7.9	10	0.3	0.2	2.9	Gray	100
AI-XL 6 -12 YE	3201945	6	10	23	8.7	12	0.3	0.2	3.6	Yellow	100
AI-XL 10 -12 RD	3201958	10	8	24	10.2	12	0.3	0.2	4.6	Red	100
AI-XL 16 -12 BU	3201961	16	6	25.5	12.5	12	0.4	0.2	6	Blue	100

Ferrules

Ferrules with enlarged insulating collar (AWG/Multinorm)



- Suitable for AWG/multi-standard cables due to the increased diameter of the insulating collar
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI-GB 0,5-8 OG	2100128	0.5	20	14	3	8	0.25	0.15	1.1	Orange	100
AI-GB 0,5-8 WH	2100131	0.5	20	14	3	8	0.25	0.15	1.1	White	500
AI-GB 0,5-8 WH-25000	2100134	0.5	20	14	3	8	0.25	0.15	1.1	White	25000
AI-GB 0,5-10 OG	2100130	0.5	20	16	3	10	0.25	0.15	1.1	Orange	100
AI-GB 0,5-10 WH	2100132	0.5	20	16	3	10	0.25	0.15	1.1	White	100
AI-GB 0,5-10 WH-25000	2100135	0.5	20	16	3	10	0.25	0.15	1.1	White	25000
AI-GB 0,5-12 OG	2100129[1)3)]	0.5	20	18.5	3	12	0.25	0.15	1.1	Orange	100
AI-GB 0,75-8 WH	2100111	0.75	18	14	3.4	8	0.25	0.15	1.3	White	100
AI-GB 0,75-8 GY	2100116	0.75	18	14	3.4	8	0.25	0.15	1.3	Gray	500
AI-GB 0,75-8 GY-25000	2100123	0.75	18	14	3.4	8	0.25	0.15	1.3	Gray	25000
AI-GB 0,75-10 BU	2100107	0.75	18	16	3.4	10	0.25	0.15	1.3	Blue	100
AI-GB 0,75-10 WH	2100113	0.75	18	16	3.4	10	0.25	0.15	1.3	White	100
AI-GB 0,75-10 GY	2100117	0.75	18	16	3.4	10	0.25	0.15	1.3	Gray	100
AI-GB 0,75-10 GY-1000	2100119	0.75	18	16	3.4	10	0.25	0.15	1.3	Gray	1000
AI-GB 0,75-10 GY-25000	2100124	0.75	18	16	3.4	10	0.25	0.15	1.3	Gray	25000
AI-GB 0,75-12 GY	2100104	0.75	18	18	3.4	12	0.25	0.15	1.3	Gray	100
AI-GB 0,75-12 BU	2100108	0.75	18	18	3.4	12	0.25	0.15	1.3	Blue	100
AI-GB 0,75-12 WH	2100112	0.75	18	12	3.4	12	0.25	0.15	1.3	White	100
AI-GB 1-8 YE	2100085	1	18	14	3.4	8	0.3	0.15	1.5	Yellow	100
AI-GB 1-8 RD	2100091	1	18	14	3.4	8	0.3	0.15	1.5	Red	500
AI-GB 1-8 RD-20000	2100095	1	18	14	3.4	8	0.3	0.15	1.5	Red	20000
AI-GB 1-10 RD-1000	2100092	1	18	16	3.4	10	0.3	0.15	1.5	Red	1000
AI-GB 1-10 RD-20000	2100097	1	18	16	3.4	10	0.3	0.15	1.5	Red	20000
AI-GB 1-10 YE	2100088	1	18	16	3.4	10	0.3	0.15	1.5	Yellow	100
AI-GB 1-12 YE	2100087	1	18	18	3.4	12	0.3	0.15	1.5	Yellow	100
AI-GB 1-12 RD	2100090	1	18	18	3.4	12	0.3	0.15	1.5	Red	100
AI-GB 1,5-8 BK-1000	2100074	1.5	16	14	3.4	8	0.3	0.15	1.7	Black	1000
AI-GB 1,5-8 BK-15000	2100077	1.5	16	14	3.4	8	0.3	0.15	1.7	Black	15000
AI-GB 1,5-8 RD	2100069	1.5	16	14	3.7	8	0.3	0.15	1.8	Red	100

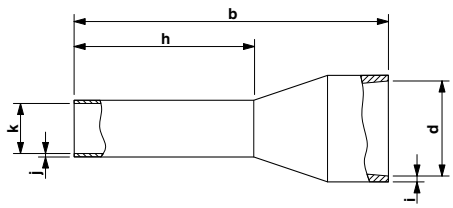
Ferrules

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI-GB 1,5-10 BK-1000	2100076	1.5	16	16	3.4	10	0.3	0.15	1.7	Black	1000
AI-GB 1,5-10 BK-15000	2100079	1.5	16	16	3.4	10	0.3	0.15	1.7	Black	15000
AI-GB 2,5 - 8 BU	2100237	2.5	14	14	7.9	8	0.3	0.15	2.3	Blue	1000
AI-GB 2,5 - 8 GY	2100239	2.5	14	14	7.9	8	0.3	0.15	2.3	Gray	1000
AI-GB 2,5 - 10 BU	2100244[1)3)]	2.5	14	18	7.9	10	0.3	0.15	2.3	Blue	1000
AI-GB 2,5 - 12 BU	2100241	2.5	14	18	7.9	12	0.3	0.15	2.3	Blue	1000
AI-GB 2,5 - 12 GY	2100242	2.5	14	18	7.9	12	0.3	0.15	2.3	Gray	1000
AI-GB 4 - 10 GY	2100245	4	12	17	7.9	10	0.3	0.2	2.9	Gray	1000
AI-GB 4 - 12 GY	2100247	4	12	20	7.9	12	0.3	0.2	2.9	Gray	1000
AI-GB 6 - 12 YE	2100249	6	10	20	8.7	12	0.3	0.2	3.6	Yellow	500

[1)] These ferrules are not UL certified.
[2)] These ferrules are not included in DIN 46228-1: 2020-03.
[3)] These ferrules are not included in DIN 46228-1: 2020-03 or UL 486F.

Ferrules

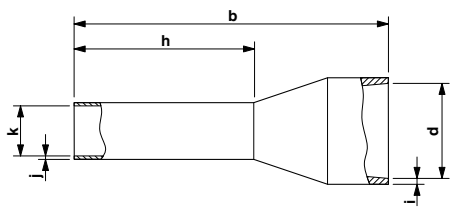
Insulated ferrules as taped products (small coil)



- Taped design for automated production
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with DIN 46228-1 and UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 0,25-8 BU-B	3240250	0.25	24	12.5	2.2	8	0.25	0.15	0.8	Blue	1000
AI 0.25-8 YE-B	3240251	0.25	24	12.5	2.2	8	0.25	0.15	0.8	Yellow	1000
AI 0,34-8 TQ-B	3240249	0.34	22	12.5	2.2	8	0.25	0.15	0.8	Turquoise	1000
AI 0,5 - 8 WH-B	3201369	0.5	20	14	2.5	8	0.25	0.15	1.1	White	1000
AI 0,5 - 8 OG-B	3201563	0.5	20	14	2.5	8	0.25	0.15	1.1	Orange	1000
AI 0,75- 8 GY-B	3201372	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	1000
AI 0,75- 8 BU-B	3201547	0.75	18	14	2.8	8	0.25	0.15	1.3	Blue	1000
AI 0,75- 8 WH-B	3201576	0.75	18	14	2.8	8	0.25	0.15	1.3	White	1000
AI 1 - 8 RD-B	3201385	1	18	14	3	8	0.3	0.15	1.5	Red	1000
AI 1 - 8 YE-B	3201589	1	18	14	3	8	0.3	0.15	1.5	Yellow	1000
AI 1,5 - 8 BK-B	3201398	1.5	16	14	3.4	8	0.3	0.15	1.7	Black	1000
AI 1,5 - 8 RD-B	3201592	1.5	16	14	3.4	8	0.3	0.15	1.7	Red	1000
AI 2,5 - 8 BU-B	3201408	2.5	14	14	4.2	8	0.3	0.15	2.3	Blue	500
AI 2,5 - 8 GY-B	3201550	2.5	14	14	4.2	8	0.3	0.15	2.3	Gray	500

Insulated ferrules as taped products (large coil)

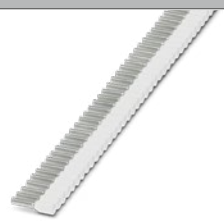


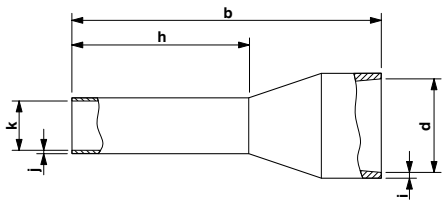
- Taped design for automated production
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with DIN 46228-1 and UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 0,5-8 WH-B 3000	3240663	0.5	20	14	2.5	8	0.25	0.15	1.1	White	3000
AI 0,75-8 GY-B 3000	3240664	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	3000
AI 0,75-8 WH-B 3000	3240677	0.75	18	14	2.8	8	0.25	0.15	1.3	White	3000
AI 1-8 RD-B 3000	3240665	1	18	14	3	8	0.3	0.15	1.5	Red	3000
AI 1,5-8 BK-B 2500	3240666	1.5	16	14	3.4	8	0.3	0.15	1.8	Black	2500
AI 2,5-8 BU-B 1500	3240667	2.5	14	14	4.2	8	0.3	0.15	2.3	Blue	1500

Ferrules

Ferrules in strip form (CRIMPHANDY)

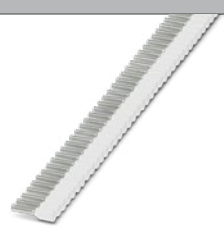


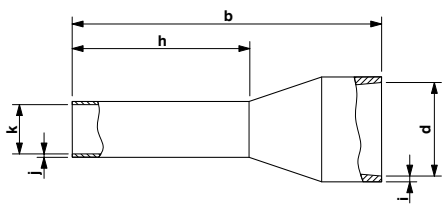


- Specifically for processing with our CF CRIMPHANDY
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with DIN 46228-1 and UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 0,5-8 WH-S	1212521	0.5	20	14	2.5	8	0.25	0.15	1.1	White	1000
AI 0,5-8 OG-S	1212784	0.5	20	14	2.5	8	0.25	0.15	1.1	Orange	1000
AI 0,75- 8 GY-S	1212522	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	1000
AI 0,75- 8 WH-S	1212783	0.75	18	14	2.8	8	0.25	0.15	1.3	White	1000
AI 0,75- 8 BU-S	1212785	0.75	18	14	2.8	8	0.25	0.15	1.3	Blue	1000
AI 1,0-8 RD-S	1212523	1	18	14	3	8	0.3	0.15	1.5	Red	1000
AI 1,0-8 YE-S	1212782	1	18	14	3	8	0.3	0.15	1.5	Yellow	1000
AI 1,5-8 BK-S	1212524	1.5	16	14	3.4	8	0.3	0.15	1.8	Black	1000
AI 1,5-8 RD-S	1212781	1.5	16	14	3.4	8	0.3	0.15	1.8	Red	1000

Ferrules in strip form (CRIMPFOX 4 IN 1)





- For processing with our CRIMPFOX 4 IN 1
- UL certified
- Made from tin-plated electrolytic copper
- Design in accordance with DIN 46228-1 and UL 486F
- With “Easy Entry” (conical insertion area)
- Plastic collar made of polypropylene
- Halogen-free
- Long-/short-term temperature: +105°C/+120°C

Type	Item no.	Cross-section range		b	d	h	i	j	k	Color	Pcs./ Pkt.
		mm²	AWG	mm							
AI 0,5-8 WH S1	1200104	0.5	20	14	2.5	8	0.25	0.15	1.1	White	500
AI 0,75- 8 GY S1	1200105	0.75	18	14	2.8	8	0.25	0.15	1.3	Gray	500
AI 0,75- 8 BU S1	1200163	0.75	18	14	2.8	8	0.25	0.15	1.3	Blue	500
AI 1,0-8 RD S1	1200106	1	18	14	3	8	0.3	0.15	1.5	Red	500
AI 1,5-8 BK S1	1200107	1.5	16	14	3.4	8	0.3	0.15	1.8	Black	500
AI 2,5-8 BU S1	1200108	2.5	14	14	4.2	8	0.3	0.15	2.3	Blue	400
AI 2,5-8 GY S1	1200164	2.5	14	14	4.2	8	0.3	0.15	2.3	Gray	400

Ferrules

Assortment boxes, equipped

Information

Type	Item no.	
AI SORTI BOX ANT		3202973

Contents

Assortment box, equipped with ferrules in accordance with DIN 46228-4, 50 pcs. AI 4-10 GY, 20 pcs. AI 6-12 YE, AI 10-12 RD, 10 pcs. AI 16-12 BU

Ferrule	AI 4 -10 GY	3200535
Ferrule	AI 6 -12 YE	3200548
Ferrule	AI 10 -12 RD	3200551
Ferrule	AI 16 -12 BU	3200564

Information

Type	Item no.	
AI-TWIN SORTI BOX BU		3202986

Contents

Assortment box, equipped with TWIN ferrules in accordance with DIN 46228-4, 50 pcs. each AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x1,5-8 BK, 25 pcs. AI-TWIN 2x2,5-10 BU

Ferrule	AI-TWIN 2X 0,5 - 8 WH	3200933
Ferrule	AI-TWIN 2X 0.75 - 8 GY	3200807
Ferrule	AI-TWIN 2X 1 - 8 RD	3200810
Ferrule	AI-TWIN 2X 1,5 - 8 BK	3200823
Ferrule	AI-TWIN 2X 2,5 -10 BU	3200836

Information

Type	Item no.	
AI SORTI BOX RD		3202960

Contents

Assortment box, equipped with ferrules in accordance with DIN 46228-4: 1990-09, 50 pcs. of each. AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK

Ferrule	AI 0.5 - 8 WH	3200014
Ferrule	AI 0.75 - 8 GY	3200519
Ferrule	AI 1 - 8 RD	3200030
Ferrule	AI 1.5 - 8 BK	3200043
Ferrule	AI 2.5 - 8 BU	3200522

Information

Type	Item no.	
AI-TWIN SORTI BOX GY		3202999

Contents

Assortment box, equipped with TWIN ferrules in accordance with DIN 46228-4, 20 pcs. AI-TWIN 2x4-12 GY, 10 pcs. AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD

Ferrule	AI-TWIN 2X 4 -12 GY	3201000
Ferrule	AI-TWIN 2X 6 -14 YE	3201013
Ferrule	AI-TWIN 2X10 -14 RD	3201026

Ferrules

Sets with ferrules and tools

Information		
Type	Item no.	CRIMPSET 6 — 1202072
Contents		Assortment box, metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, 500 of each. AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pcs. AI 2,5-8 BU, 200 pcs. AI 4-10 GY, 100 pcs. AI 6-12 YE, CRIMPFOX DUO 10, QUICK WIREFOX 6
		Ferrule — AI 0.25- 6 YE — 3203024
		Ferrule — AI 0.34 6 TQ — 3203053
		Ferrule — AI 0.5 - 8 WH — 3200014
		Ferrule — AI 0.75 - 8 GY — 3200519
		Ferrule — AI 1 - 8 RD — 3200030
		Ferrule — AI 1.5 - 8 BK — 3200043
		Ferrule — AI 2.5 - 8 BU — 3200522
		Ferrule — AI 4 -10 GY — 3200535
		Ferrule — AI 6 -12 YE — 3200548
		Stripping tool — QUICK WIREFOX 6 — 1204384
		Crimping tool — CRIMPFOX DUO 10 — 1031721

Information		
Type	Item no.	CRIMPSET 25 — 1202580
Contents		Assortment box, metal, equipped with ferrules in accordance with DIN 46228-4, 300 pcs. AI 10-12 RD, 200 pcs. AI 16-12 BU, 100 pcs. AI 25-16 YE, as well as WIREFOX-D 40 stripping blade and CRIMPFOX 25R crimping pliers
		Ferrule — AI 10 -12 RD — 3200551
		Ferrule — AI 16 -12 BU — 3200564
		Ferrule — AI 25 -16 YE — 3200577
		Stripping tool — WIREFOX-D 40 — 1212161
		Crimping tool — CRIMPFOX 25R — 1212039

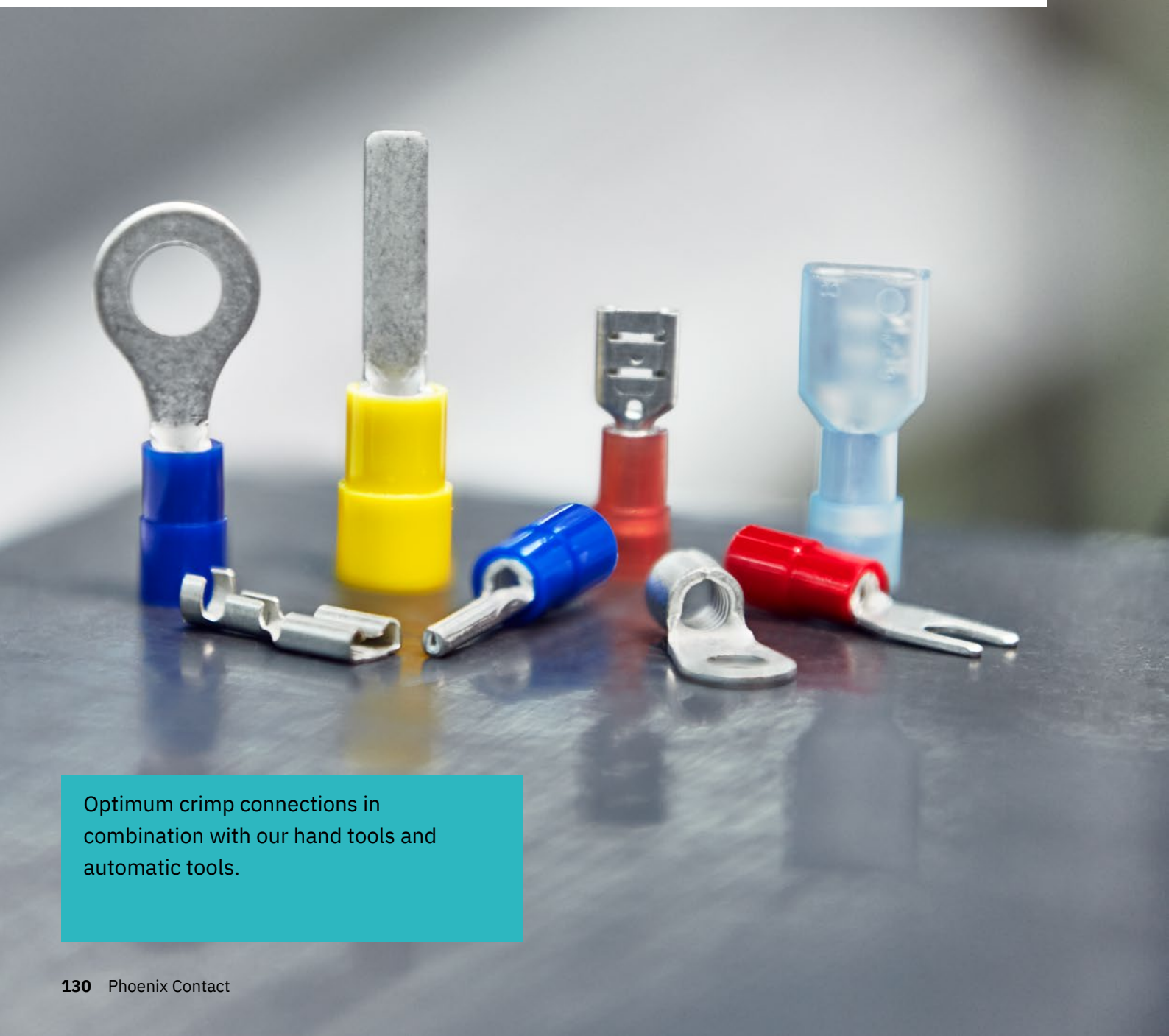
Assortment box, empty

Information		
Type	Item no.	AI SORTI BOX-E LGY — 3203008
Contents		Assortment box, empty, color: light gray

Information		
Type	Item no.	CRIMPSET 6/25 LEER — 1204041
Contents		Assortment box, metal, empty

Crimp connectors

Crimp connections are used in all areas of industry and trade. They guarantee high-quality electrical connections with long-term stability. Our comprehensive product range includes high-quality and standard-compliant crimp connectors in various versions and designs as well as colors and sizes.



Optimum crimp connections in combination with our hand tools and automatic tools.

Crimp connectors

Ring cable lugs

Ring cable lugs provide a secure and permanent connection to screw terminal blocks. They are ideal for applications where a high tensile strength is required and cover a wide range of applications, for example, in distribution boxes and connection terminal blocks.

Fork-type cable lugs

Fork-type cable lugs are designed for easy mounting, as they can be pushed onto the bolt without the screw being completely removed. They are ideal for connections that require frequent maintenance or fast connection replacements.

Pin cable lugs

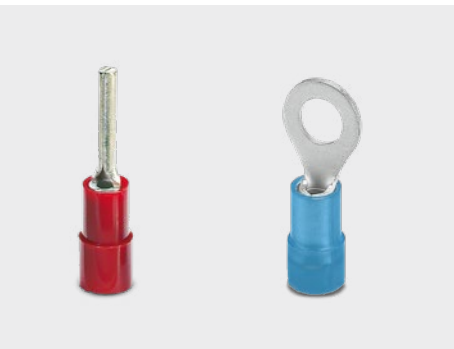
Pin cable lugs are used to securely attach conductors to clamping spaces, especially where a round contact surface is preferred. They are ideal for use in devices with spring-cage terminal blocks or other connection technologies that require a round pin.

Slip-on connectors

Slip-on connectors enable quick and tool-free connection and separation of electrical components. They are always used when a reliable yet detachable connection is required.

Butt connectors

Butt connectors are used to connect two conductor ends to each other and to create a safe, electrically conductive connection. For example, they are ideal for repairs or extensions of cables that require a simple and reliable connection.

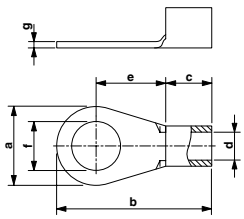


Cable lugs with additional crimp zone for conductor insulation

In addition to a mechanical connection of the conductor, these cable lugs also provide an additional crimp zone that includes the insulation of the conductor, thereby providing additional support and bend protection. They are particularly useful in applications where additional protection of the insulation against vibrations or tensile forces is required.

Crimp connectors

Ring cable lugs, uninsulated, in accordance with DIN 46234



- Design in accordance with DIN 46234
- Brazed
- Tin-plated
- Temperature range ...+110°C

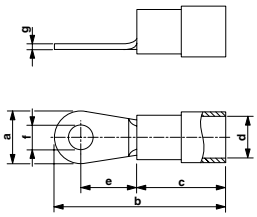
Type	Item no.	Cross-section range		a	b	c	d	e	f	g	Pcs./ Pkt.
		mm²	AWG	mm							
C-RC 1/M2,5 DIN	3240069	0.5 ... 1	20 ... 18	6	14	5	1.6	6	2.8	0.8	100
C-RC 1/M3 DIN	3240070	0.5 ... 1	20 ... 18	6	14	5	1.6	6	3.2	0.8	100
C-RC 1/M3,5 DIN	3240071	0.5 ... 1	20 ... 18	6	14	5	1.6	6	3.7	0.8	100
C-RC 1/M4 DIN	3240072	0.5 ... 1	20 ... 18	8	16	5	1.6	7	4.3	0.8	100
C-RC 1/M5 DIN	3240073	0.5 ... 1	20 ... 18	10	18	5	1.6	8	5.3	0.8	100
C-RC 1/M6 DIN	3240074	0.5 ... 1	20 ... 18	10	19.5	5	1.6	8	6.5	0.8	100
C-RC 1/M8 DIN	3240075	0.5 ... 1	20 ... 18	11.6	21.5	5	1.6	12	8.4	0.8	100
C-RC 2,5/M3 DIN	3240076	1 ... 2.5	18 ... 14	6	14	5	2.3	6	3.2	0.8	100
C-RC 2,5/M3,5 DIN	3240077	1 ... 2.5	18 ... 14	6	14	5	2.3	6	3.7	0.8	100
C-RC 2,5/M4 DIN	3240078	1 ... 2.5	18 ... 14	8	16	5	2.3	7	4.3	0.8	100
C-RC 2,5/M5 DIN	3240079	1 ... 2.5	18 ... 14	10	19	5	2.3	9	5.3	0.8	100
C-RC 2,5/M6 DIN	3240080	1 ... 2.5	18 ... 14	11	21.5	5	2.3	11	6.5	0.8	100
C-RC 2,5/M8 DIN	3240081	1 ... 2.5	18 ... 14	14	24	5	2.3	12	8.4	0.8	100
C-RC 2,5/M10 DIN	3240082	1 ... 2.5	18 ... 14	18	28	5	2.3	12	10.5	0.8	100
C-RC 6/M4 DIN	3240083	2.6 ... 6	12 ... 10	8	18	6	3.6	8	4.3	1	50
C-RC 6/M5 DIN	3240084	2.6 ... 6	12 ... 10	10	20	6	3.6	9	5.3	1	50
C-RC 6/M6 DIN	3240085	2.6 ... 6	12 ... 10	11	21.5	6	3.6	10	6.5	1	50
C-RC 6/M8 DIN	3240086	2.6 ... 6	12 ... 10	14	26	6	3.6	13	8.4	1	50
C-RC 6/M10 DIN	3240087	2.6 ... 6	12 ... 10	18	30	6	3.6	15	10.5	1	50
C-RC 6/M12 DIN	3240088	2.6 ... 6	12 ... 10	19	32.5	6	3.6	20	13	1	50
C-RC 10/M5 DIN	3240089	10	8	10	21	8	4.5	8	5.3	1.1	100
C-RC 10/M6 DIN	3240090	10	8	11	22.5	8	4.5	9	6.5	1.1	100
C-RC 10/M8 DIN	3240091	10	8	14	27	8	4.5	12	8.4	1.1	100
C-RC 10/M10 DIN	3240092	10	8	18	30	8	4.5	13	10.5	1.1	100
C-RC 10/M12 DIN	3240093	10	8	22	34	8	4.5	15	13	1.1	100
C-RC 16/M5 DIN	3240094	16	6	11	25.5	10	5.8	10	5.3	1.1	100
C-RC 16/M6 DIN	3240095	16	6	11	25.5	10	5.8	10	6.5	1.2	100
C-RC 16/M8 DIN	3240096	16	6	14	29	10	5.8	12	8.4	1.2	100
C-RC 16/M10 DIN	3240097	16	6	18	33	10	5.8	14	10.5	1.2	100
C-RC 16/M12 DIN	3240098	16	6	22	37	10	5.8	16	13	1.2	100
C-RC 25/M5 DIN	3240099	25	4	12	31	11	7.5	14	5.3	1.5	100

Crimp connectors

Type	Item no.	Cross-section range		a	b	c	d	e	f	g	Pcs./ Pkt.
		mm²	AWG	mm							
C-RC 25/M6 DIN	3240100	25	4	12	31	11	7.5	14	6.5	1.5	100
C-RC 25/M8 DIN	3240101	25	4	16	33	11	7.5	14	8.4	1.5	100
C-RC 25/M10 DIN	3240102	25	4	18	35	11	7.5	15	10.5	1.5	100
C-RC 25/M12 DIN	3240103	25	4	22	42	11	7.5	20	13	1.5	100
C-RC 25/M16 DIN	3240104	25	4	28	49	11	7.5	25	17	1.5	100
C-RC 35/M6 DIN	3240105	35	2	15	33.5	12	9	14	6.5	1.6	100
C-RC 35/M8 DIN	3240106	35	2	16	34	12	9	14	8.4	1.6	100
C-RC 35/M10 DIN	3240107	35	2	18	36	12	9	15	10.5	1.6	100
C-RC 35/M12 DIN	3240108	35	2	22	42	12	9	19	13	1.6	100
C-RC 35/M16 DIN	3240109	35	2	28	50	12	9	24	17	1.6	100
C-RC 50/M6 DIN	3240110	50	1/0	18	43	16	11	18	6.5	1.8	100
C-RC 50/M8 DIN	3240111	50	1/0	18	43	16	11	18	8.4	1.8	100
C-RC 50/M10 DIN	3240112	50	1/0	18	43	16	11	18	10.5	1.8	100
C-RC 50/M12 DIN	3240113	50	1/0	22	47	16	11	20	13	1.8	100
C-RC 50/M16 DIN	3240114	50	1/0	28	54	16	11	24	17	1.8	100
C-RC 70/M6 DIN	3240115	70	2/0	22	49	18	13	20	6.5	2	100
C-RC 70/M8 DIN	3240116	70	2/0	22	49	18	13	20	8.4	2	100
C-RC 70/M10 DIN	3240117	70	2/0	22	49	18	13	20	10.5	2	100
C-RC 70/M12 DIN	3240118	70	2/0	22	49	18	13	20	13	2	100
C-RC 70/M16 DIN	3240119	70	2/0	28	56	18	13	24	17	2	100
C-RC 95/M8 DIN	3240120	95	3/0	24	54	20	15	22	8.4	2.5	50
C-RC 95/M10 DIN	3240121	95	3/0	24	54	20	15	22	10.5	2.5	50
C-RC 95/M12 DIN	3240122	95	3/0	24	54	20	15	22	13	2.5	50
C-RC 95/M16 DIN	3240123	95	3/0	28	58	20	15	24	17	2.5	50
C-RC 120/M8 DIN	3240124	120	250 MCM	24	56	22	16.5	22	8.4	3	25
C-RC 120/M10 DIN	3240125	120	250 MCM	24	56	22	16.5	22	10.5	3	25
C-RC 120/M12 DIN	3240126	120	250 MCM	24	56	22	16.5	22	13	3	25
C-RC 120/M16 DIN	3240127	120	250 MCM	28	62	22	16.5	26	17	3	25
C-RC 150/M10 DIN	3240128	150	300 MCM	30	65	24	19	26	10.5	3.2	25
C-RC 150/M12 DIN	3240129	150	300 MCM	30	65	24	19	26	13	3.2	25
C-RC 150/M16 DIN	3240130	150	300 MCM	30	65	24	19	26	17	3.2	25
C-RC 185/M10 DIN	3240131	185	350 MCM	36	68	28	21	22	10.5	3.5	20
C-RC 185/M12 DIN	3240132	185	350 MCM	36	68	28	21	22	13	3.5	20
C-RC 185/M16 DIN	3240133	185	350 MCM	36	68	28	21	22	17	3.5	20
C-RC 240/M10 DIN	3240134	240	500 MCM	38	75	32	23.5	24	10.5	4	10
C-RC 240/M12 DIN	3240135	240	500 MCM	38	75	32	23.5	24	13	4	10
C-RC 240/M16 DIN	3240136	240	500 MCM	38	75	32	23.5	24	17	4	10

Crimp connectors

Ring cable lugs, insulated

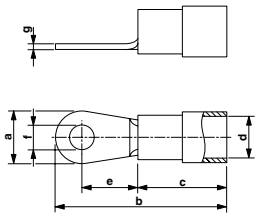


- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	e	f	g	Color	Pcs./ Pkt.
		mm²	AWG	mm								
C-RCI 1,5/M3	3240016	0.5 ... 1.5	20 ... 16	5.5	17.5	10.5	4.1	4.3	3.2	0.75	Red	100
C-RCI 1,5/M3,5	3240017	0.5 ... 1.5	20 ... 16	6.6	20.4	10.5	4.1	6.6	3.7	0.75	Red	100
C-RCI 1,5/M4	3240018	0.5 ... 1.5	20 ... 16	8	21.7	10.5	4.1	7.3	4.3	0.75	Red	100
C-RCI 1,5/M5	3240019	0.5 ... 1.5	20 ... 16	8	21.7	10.5	4.1	7.3	5.3	0.75	Red	100
C-RCI 1.5/M6	3240020	0.5 ... 1.5	20 ... 16	11.6	27.6	10.5	4.1	11.2	6.5	0.75	Red	100
C-RCI 2,5/M3	3240021	1.5 ... 2.5	16 ... 14	6.6	20.6	11	4.5	7.8	3.2	0.8	Blue	100
C-RCI 2,5/M3,5	3240022	1.5 ... 2.5	16 ... 14	6.6	20.6	11	4.5	6.3	3.7	0.8	Blue	100
C-RCI 2,5/M4	3240023	1.5 ... 2.5	16 ... 14	8.5	23	11	4.5	7.8	4.3	0.8	Blue	100
C-RCI 2,5/M5	3240024	1.5 ... 2.5	16 ... 14	9.5	23	11	4.5	7.3	5.3	0.8	Blue	100
C-RCI 2,5/M6	3240025	1.5 ... 2.5	16 ... 14	12	28.1	11	4.5	11	6.5	0.8	Blue	50
C-RCI 2,5/M8	3240026	1.5 ... 2.5	16 ... 14	12	28.1	11	4.5	11	8.5	0.8	Blue	50
C-RCI 6/M4	3240027	4 ... 6	12 ... 10	9.5	26.7	14	6.6	8	4.3	1	Yellow	50
C-RCI 6/M5	3240028	4 ... 6	12 ... 10	9.5	26.7	14	6.6	8	5.3	1	Yellow	50
C-RCI 6/M6	3240029	4 ... 6	12 ... 10	12	32.7	14	6.6	12.7	6.5	1	Yellow	25
C-RCI 6/M8	3240030	4 ... 6	12 ... 10	15	34.9	14	6.6	13.4	8.5	1	Yellow	25
C-RCI 6/M10	3240031	4 ... 6	12 ... 10	15	34.9	14	6.6	13.4	10.5	1	Yellow	25
C-RCI 10/M5	3240219	10	8	8.8	31.3	16	8	10.9	5.3	1.1	Red	50
C-RCI 10/M6	3240220	10	8	12	31.3	16	8	9	6.5	1.1	Red	50
C-RCI 10/M8	3240221	10	8	15	37.3	16	8	13.8	8.4	1.1	Red	50
C-RCI 10/M10	3240222	10	8	15	37.3	16	8	13.8	10.5	1.1	Red	50

Crimp connectors

Ring cable lugs, insulated, with additional crimp zone

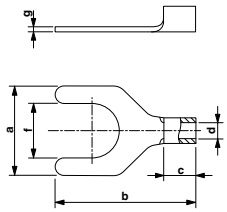


- Halogen-free
- Conical conductor entry
- Brazed
- PA-insulated
- With copper sleeve incorporated, for insulation crimp
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	e	f	g	Color	Pcs./ Pkt.
		mm²	AWG	mm								
C-RCEI 1,5/M3	3241201	0.5 ... 1.5	20 ... 16	5.5	17.7	11	4.1	4	3.2	0.75	Red	100
C-RCEI 1,5/M3,5	3241202	0.5 ... 1.5	20 ... 16	6.6	20.6	11	4.1	6.3	3.7	0.75	Red	100
C-RCEI 1,5/M4	3241203	0.5 ... 1.5	20 ... 16	8	22	11	4.1	7	4.3	0.75	Red	100
C-RCEI 1,5/M5	3241204	0.5 ... 1.5	20 ... 16	8	22	11	4.1	7	5.3	0.75	Red	100
C-RCEI 1,5/M6	3241205	0.5 ... 1.5	20 ... 16	11.6	27.9	11	4.1	11.1	6.5	0.75	Red	100
C-RCEI 2,5/M3,5	3241206	1.5 ... 2.5	16 ... 14	6.6	20.6	11	4.5	6.3	3.7	0.8	Blue	100
C-RCEI 2,5/M4	3241207	1.5 ... 2.5	16 ... 14	8.5	23	11	4.5	7.8	4.3	0.8	Blue	100
C-RCEI 2,5/M5	3241208	1.5 ... 2.5	16 ... 14	9.5	23	11	4.5	7.3	5.3	0.8	Blue	100
C-RCEI 2.5/M6	3241209	1.5 ... 2.5	16 ... 14	12	28	11	4.5	11	6.5	0.8	Blue	100
C-RCEI 2,5/M8	3241210	1.5 ... 2.5	16 ... 14	12	28	11	4.5	11	8.4	0.8	Blue	100
C-RCEI 6/M5	3241211	4 ... 6	12 ... 10	9.5	26	13	6.5	8.3	5.3	1	Yellow	100
C-RCEI 6/M6	3241212	4 ... 6	12 ... 10	12	29.5	13	6.5	10.5	6.5	1	Yellow	100
C-RCEI 6/M8	3241213	4 ... 6	12 ... 10	15	34.2	13	6.5	13.7	8.4	1	Yellow	100
C-RCEI 6/M10	3241214	4 ... 6	12 ... 10	15	34.2	13	6.5	13.7	10.5	1	Yellow	100

Crimp connectors

Fork-type cable lugs, uninsulated, DIN 46234

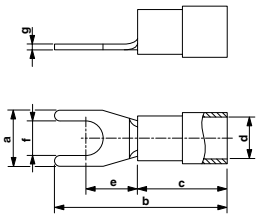


- Design in accordance with DIN 46234
- Brazed
- Tin-plated
- Temperature range ... +110°C

Type	Item no.	Cross-section range		a	b	c	d	e	f	g	Pcs./ Pkt.
		mm²	AWG	mm							
C-FC 1,5/M3	3240137	0.5 ... 1.5	20 ... 16	5.7	16	4.5	1.9	7.2	3.2	0.75	100
C-FC 1,5/M3,5	3240138	0.5 ... 1.5	20 ... 16	6.2	16	4.5	1.9	7.2	3.7	0.75	100
C-FC 1,5/M4	3240139	0.5 ... 1.5	20 ... 16	7.2	16	4.5	1.9	7.2	4.3	0.75	100
C-FC 1,5/M5	3240140	0.5 ... 1.5	20 ... 16	8	16	4.5	1.9	6.5	5.3	0.75	100
C-FC 1,5/M6	3240141	0.5 ... 1.5	20 ... 16	10.7	16	4.5	1.9	8	6.4	0.8	100
C-FC 2,5/M3	3240142	1.5 ... 2.5	16 ... 14	5.7	16	4.8	2.5	6.5	3.2	0.8	100
C-FC 2,5/M3,5	3240143	1.5 ... 2.5	16 ... 14	6.2	16	4.8	2.5	6.5	3.7	0.8	100
C-FC 2,5/M4	3240144	1.5 ... 2.5	16 ... 14	7.2	16	4.8	2.5	6.5	4.3	0.8	100
C-FC 2,5/M5	3240145	1.5 ... 2.5	16 ... 14	8	16	4.8	2.5	6.5	5.3	0.8	100
C-FC 2,5/M6	3240146	1.5 ... 2.5	16 ... 14	10.7	17	4.8	2.5	7.6	6.4	0.8	100
C-FC 2,5/M8	3240147	1.5 ... 2.5	16 ... 14	13.5	22.1	4.8	2.5	7.6	8.4	0.8	100
C-FC 6/M4	3240148	2.6 ... 6	12 ... 10	8.2	19.5	6.5	3.6	7.5	4.3	1	50
C-FC 6/M5	3240149	2.6 ... 6	12 ... 10	9	19.5	6.5	3.6	8	5.3	1	50
C-FC 6/M6	3240150	2.6 ... 6	12 ... 10	12	23	6.5	3.6	9.5	6.4	1	50
C-FC 6/M8	3240151	2.6 ... 6	12 ... 10	13.5	25	6.5	3.6	12	8.4	1	50

Crimp connectors

Fork-type cable lugs, insulated

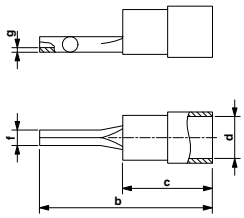


- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	e	f	g	Color	Pcs./ Pkt.
		mm²	AWG	mm								
C-FCI 1,5/M3	3240032	0.5 ... 1.5	20 ... 16	5.7	22	10.5	4.1	7.2	3.2	0.75	Red	100
C-FCI 1,5/M3,5	3240033	0.5 ... 1.5	20 ... 16	5.7	22	10.5	4.1	7.2	3.7	0.75	Red	100
C-FCI 1,5/M4	3240034	0.5 ... 1.5	20 ... 16	7.2	22	10.5	4.1	7.2	4.3	0.75	Red	100
C-FCI 1,5/M5	3240035	0.5 ... 1.5	20 ... 16	8	22	10.5	4.1	6.5	5.3	0.75	Red	100
C-FCI 1,5/M6	3240036	0.5 ... 1.5	20 ... 16	10.7	23	10.5	4.1	8	6.5	0.75	Red	100
C-FCI 2,5/M3	3240037	1.5 ... 2.5	16 ... 14	5.7	22	11	4.5	6.5	3.2	0.8	Blue	100
C-FCI 2,5/M3,5	3240038	1.5 ... 2.5	16 ... 14	5.7	22	11	4.5	6.5	3.7	0.8	Blue	100
C-FCI 2,5/M4	3240039	1.5 ... 2.5	16 ... 14	7.2	22	11	4.5	6.5	4.3	0.8	Blue	100
C-FCI 2,5/M5	3240040	1.5 ... 2.5	16 ... 14	8	22	11	4.5	6.5	5.3	0.8	Blue	50
C-FCI 2,5/M6	3240041	1.5 ... 2.5	16 ... 14	10.7	23	11	4.5	7.6	6.5	0.8	Blue	50
C-FCI 6/M4	3240042	4 ... 6	12 ... 10	8.2	26.7	14	6.6	7.5	4.3	1	Yellow	50
C-FCI 6/M5	3240043	4 ... 6	12 ... 10	9	26.7	14	6.6	8	5.3	1	Yellow	50
C-FCI 6/M6	3240044	4 ... 6	12 ... 10	12	30.7	14	6.6	9.9	6.5	1	Yellow	25
C-FCI 6/M8	3240045	4 ... 6	12 ... 10	13.5	32.6	14	6.6	11.5	8.5	1	Yellow	25

Crimp connectors

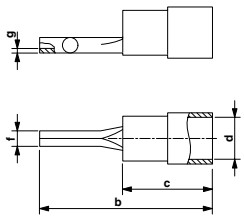
Pin cable lugs, insulated



- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		b	c	d	f	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-PCI 1,5/2	3240064	0.5 ... 1.5	20 ... 16	22.5	10.5	4.1	2	0.75	Red	100
C-PCI 2,5/2	3240066	1.5 ... 2.5	16 ... 14	23.5	11	4.5	2	0.8	Blue	100
C-PCI 6/2,7	3240068	4 ... 6	12 ... 10	27.5	14	6.6	2.7	0.8	Yellow	50

Pin cable lugs, insulated, with additional crimp zone

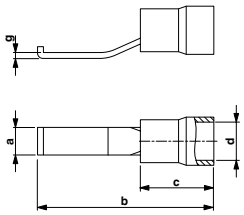


- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- With copper sleeve incorporated, for insulation crimp
- Tin-plated
- Temperature range: -20°C ... +105°C

Type	Item no.	Cross-section range		b	c	d	f	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-PCEI 1,5/2	3241215	0.5 ... 1.5	20 ... 16	21.5	11	4.1	1.9	0.75	Red	100
C-PCEI 2,5/2	3241216	1.5 ... 2.5	16 ... 14	21.5	11	4.5	1.9	0.8	Blue	100
C-PCEI 6/2	3241217	4 ... 6	12 ... 10	23.5	13	6.5	2.8	0.8	Yellow	100

Crimp connectors

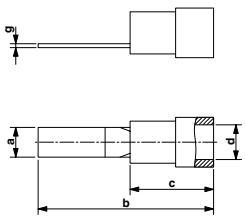
Flat pin cable lugs with hooks, insulated



- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-BCI 1,5/2,8	3240015	0.5 ... 1.5	20 ... 16	2.8	18	10.5	4	0.8	Red	100
C-BCI 1,5/4,6	3240568	0.5 ... 1.5	20 ... 16	4.6	28	10.5	4	0.8	Red	100
C-BCI 2,5/2,8	3240046	1.5 ... 2.5	16 ... 14	2.8	28.5	11	4.5	0.8	Blue	100
C-BCI 2,5/4,6	3240569	1.5 ... 2.5	16 ... 12	4.6	28.5	11	4.5	0.8	Blue	100
C-BCI 6/2,8	3240047	4 ... 6	12 ... 10	2.8	32	14	6.5	0.8	Yellow	50
C-BCI 6/4,6	3240570	4 ... 6	12 ... 10	4.6	32	14	6.5	1	Yellow	50

Flat pin cable lugs, straight, insulated

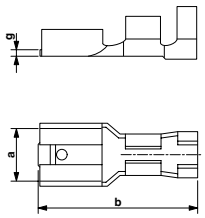


- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-BCSI 1,5/9X2,8	3240531	0.5 ... 1.5	20 ... 16	2.8	19.5	10.5	4.1	0.75	Red	100
C-BCSI 2,5/9X2,8	3240532	1.5 ... 2.5	16 ... 14	2.8	20	11	4.5	0.8	Blue	100
C-BCSI 6/10X2,8	3240546	4 ... 6	12 ... 10	2.8	24	14	6.6	1	Yellow	100
C-BCSI 6/18X4,5	3240533	4 ... 6	12 ... 10	4.5	32	14	6.6	1	Yellow	50

Crimp connectors

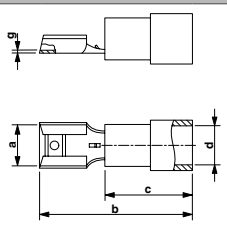
Slip-on sleeves, uninsulated, in accordance with DIN 46247 and spade connectors, uninsulated, in accordance with DIN 46248



- Manufactured in accordance with DIN 46247
- Crimp area with embossing
- Tin-plated
- Temperature range ... +110°C

Type	Item no.	Cross-section range		a	b	g	Pcs./Pkt.
		mm²	AWG	mm			
C-SCF 1/2,8X0,5	3240152	0.5 ... 1	20 ... 18	2.8	14.5	0.3	100
C-SCF 1/2,8X0,8	3240153	0.5 ... 1	20 ... 18	2.8	12.5	0.3	100
C-SCF 1,5/4,8X0,5	3240154	0.5 ... 1.5	20 ... 16	4.8	15.6	0.4	100
C-SCF 1,5/4,8X0,8	3240155	0.5 ... 1.5	20 ... 16	4.8	15.6	0.4	100
C-SCF 1,5/6,3X0,8	3240156	0.5 ... 1.5	20 ... 16	6.3	19.2	0.4	100
C-SCF 2,5/4,8X0,5	3240157	1.5 ... 2.5	16 ... 14	4.8	16	0.4	100
C-SCF 2,5/4,8X0,8	3240158	1.5 ... 2.5	16 ... 14	4.8	15.9	0.4	100
C-SCF 2,5/6,3X0,8	3240159	1.5 ... 2.5	16 ... 14	6.3	19.2	0.4	100
C-SCF 6/6,3X0,8	3240160	4 ... 6	12 ... 10	6.3	19.2	0.4	100
C-SCM 1,5/6,3X0,8	3240161	0.5 ... 1.5	20 ... 16	6.3	19	0.8	100
C-SCM 2,5/6,3X0,8	3240162	1.5 ... 2.5	16 ... 14	6.3	20	0.8	100

Slip-on sleeves and spade connectors, insulated

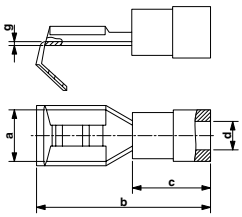


- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-SCFI 1,5/2,8X0,5	3240048	0.5 ... 1.5	20 ... 16	2.8	18.5	10.5	4.1	0.25	Red	100
C-SCFI 1,5/2,8X0,8	3240049	0.5 ... 1.5	20 ... 16	2.8	18.5	10.5	4.1	0.25	Red	100
C-SCFI 1,5/4,8X0,5	3240050	0.5 ... 1.5	20 ... 16	4.8	19.5	10.5	4.1	0.4	Red	100
C-SCFI 1,5/4,8X0,8	3240051	0.5 ... 1.5	20 ... 16	4.8	19.5	10.5	4.1	0.4	Red	100
C-SCFI 1,5/6,3X0,8	3240052	0.5 ... 1.5	20 ... 16	6.3	20	10.5	4.1	0.4	Red	100
C-SCFI 2,5/4,8X0,5	3240053	1.5 ... 2.5	16 ... 14	4.8	20	11	5	0.4	Blue	50
C-SCFI 2,5/4,8X0,8	3240054	1.5 ... 2.5	16 ... 14	4.8	20	11	5	0.4	Blue	50
C-SCFI 2,5/6,3X0,8	3240055	1.5 ... 2.5	16 ... 14	6.3	21.5	11	5	0.4	Blue	50
C-SCFI 6/6,3X0,8	3240056	4 ... 6	12 ... 10	6.3	25	14	6.6	0.4	Yellow	50
C-SCMI 1,5/6,3X0,8	3240058	0.5 ... 1.5	20 ... 16	6.3	22	10.5	4.1	0.8	Red	100
C-SCMI 2,5/6,3X0,8	3240059	1.5 ... 2.5	16 ... 14	6.3	22.5	11	4.5	0.8	Blue	50
C-SCMI 6/6,3X0,8	3240060	4 ... 6	20 ... 10	6.3	24.5	14	6.6	0.8	Yellow	50

Crimp connectors

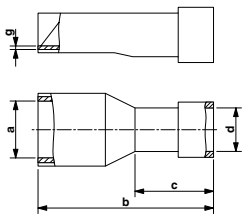
Slip-on distributors, insulated



- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-SCFMI 1,5/6,3X0,8	3240529	0.5 ... 1.5	20 ... 16	6.3	22.5	10.5	41	0.4	Red	50
C-SCFMI 2,5/6,3X0,8	3240530	1.5 ... 2.5	16 ... 14	6.3	23	11	11	0.4	Blue	50

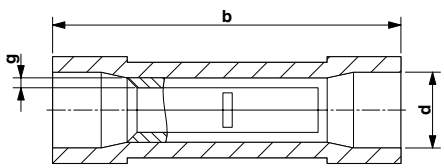
Slip-on sleeves, fully insulated



- Halogen-free
- With “Easy Entry” (conical insertion area)
- Brazed
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		a	b	c	d	g	Color	Pcs./ Pkt.
		mm²	AWG	mm						
C-SCFFI 1,5/2,8X0,5	3240534	0.5 ... 1.5	20 ... 16	2.8	19	10.5	4.3	0.25	Red	50
C-SCFFI 1,5/2,8X0,8	3240535	0.5 ... 1.5	20 ... 16	2.8	19	10.5	4.3	0.25	Red	50
C-SCFFI 1,5/4,8X0,5	3240536	0.5 ... 1.5	20 ... 16	4.8	19.5	10.5	4.3	0.4	Red	50
C-SCFFI 1,5/4,8X0,8	3240537	0.5 ... 1.5	20 ... 16	4.8	19.5	10.5	4.3	0.4	Red	50
C-SCFFI 1,5/6,3X0,8	3240538	0.5 ... 1.5	20 ... 16	6.3	21.5	10.5	4.3	0.4	Red	50
C-SCFFI 2,5/4,8X0,5	3240539	1.5 ... 2.5	16 ... 14	4.8	20	11	5	0.4	Blue	50
C-SCFFI 2,5/4,8X0,8	3240540	1.5 ... 2.5	16 ... 14	4.8	20	11	5	0.4	Blue	50
C-SCFFI 2,5/6,3X0,8	3240547	1.5 ... 2.5	16 ... 14	6.3	22	11	5	0.4	Blue	25
C-SCFFI 6/6,3X0,8	3240541	4 ... 6	12 ... 10	6.3	26	14	6.6	0.4	Yellow	25

Butt connectors, fully insulated



- Halogen-free
- With “Easy Entry” (conical insertion area)
- With conductor protection against pushing through
- PA-insulated
- Tin-plated
- Temperature range: -20°C ... +105°C
- Flammability rating V2 in accordance with UL 94

Type	Item no.	Cross-section range		b	d	g	Color	Pcs./Pkt.
		mm²	AWG	mm				
C-JCI 1,5	3240061	0.5 ... 1.5	20 ... 16	25	4	0.75	Red	50
C-JCI 2,5	3240062	1.5 ... 2.5	16 ... 14	25.5	4.5	0.8	Blue	50
C-JCI 6	3240063	4 ... 6	12 ... 10	27.5	6.5	1	Yellow	25

Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing forward-thinking products and solutions for the comprehensive electrification, networking, and automation of all sectors of the economy and infrastructure. With a global network, we maintain close relationships with our customers, something we believe is essential for our common success.

You can find your local partner at

phoenixcontact.com

MNR 1357900/2025-01-01/00

3011437036