



TOOLfox

The right tool for every application

Open communication with customers and partners worldwide

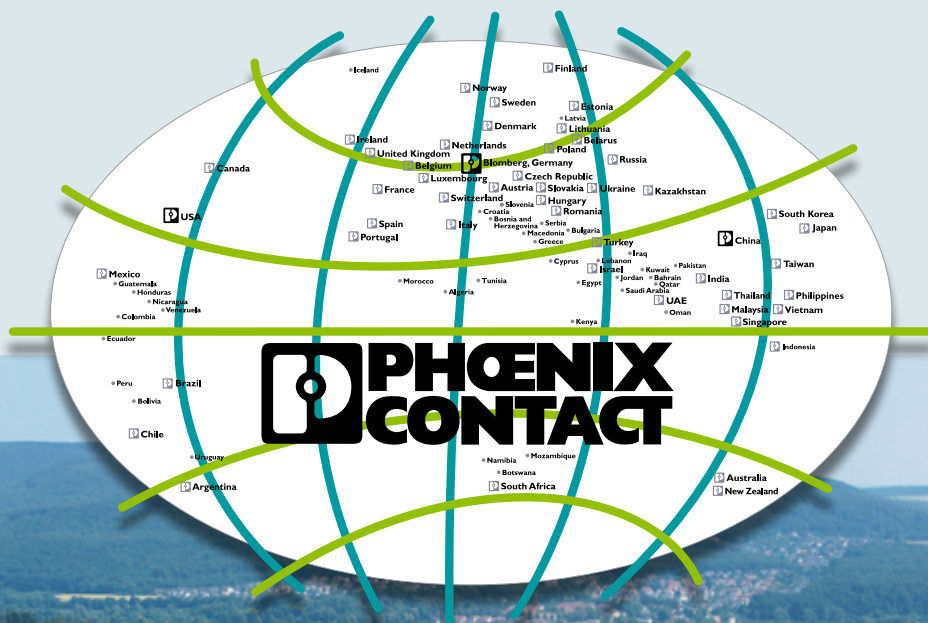
PHOENIX CONTACT

Phoenix Contact is a global market leader in the field of electrical engineering, electronics, and automation. Founded in 1923, the family-owned company now employs over 17,400 people worldwide. A sales network with over 50 sales subsidiaries and more than 30 additional sales partners guarantees customer proximity directly on-site, anywhere in the world.

We offer a range of products and services from connection technologies for device manufacturing and machine building to customized solutions and components for modern control cabinets. These cover a variety of applications and industries, including automotive, wind energy, solar energy, process industry, water/wastewater, power transmission and distribution, and transportation infrastructure.

Global player with personal customer contact

Company independence is an integral part of our corporate policy. Phoenix Contact therefore relies on in-house competence and expertise in a range of contexts: the design and development departments constantly come up with innovative product ideas, developing special solutions to meet customer requirements. Numerous patents emphasize the fact that many of Phoenix Contact's products have been developed in-house.



TOOLfox – the right tool for every application

Phoenix Contact offers a full range of professional processing and measuring tools for all electrical engineering applications. These tools for cutting, stripping, crimping, screwing, and testing are easy to handle and of the highest quality. Cutting, stripping, and crimping devices can also be used to automate work steps.

High-quality results can only be achieved with professional tools.

Our tools are designed to deliver quality, precision, durability, and effectiveness.

Your advantages

- ✓ Durable, high-quality components and materials
- ✓ Functional and flexible use, with ergonomic design
- ✓ Increased efficiency with the use of automatic devices
- ✓ Specially hardened tool steels
- ✓ Consistently high processing quality, even during continuous use
- ✓ Comprehensive product range with everything from a single source
- ✓ Limited Lifetime warranty on non-wearable parts

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TOOLfox

Tool quality

We understand our customers' concerns regarding the entire process chain and beyond. We ensure the dependability and high performance of our tools through highly specialized manufacturing processes and highly skilled employees.

Phoenix Contact tools impress with their innovative solutions for your applications, as well as their precise and durable usage characteristics.

Quality that you can feel

Phoenix Contact tools are made from high-quality components. Find out for yourself:

- Ergonomically designed handles
- Low manual force with optimized leverage
- Specially hardened tool steels
- Consistently high processing quality, even during continuous use



Quality standards

We maintain a high standard of quality right from the initial development stage.



Dependable tools

Our tools ensure maximum durability with the use of specially hardened tool steels.



Quality assurance

The high precision of our products is ensured by means of regular inspection.

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 insulations 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.

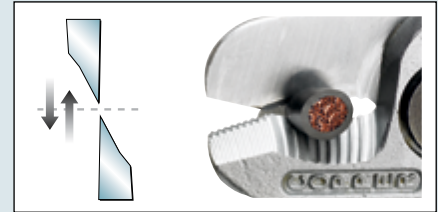
When it comes to cutting conductors and cables in the cross-section range up to 1400 mm², ratchet-driven cable cutters are the solution. Here, the finely stepped-down drives also keep the required manual force to a minimum.

Both versions, with direct and indirect force transmission, feature special cutting geometries that 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 that 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 to 62 HRC. This makes it possible to sever even extremely hard materials, such as piano wire and spring steel with a tensile strength of up to 2300 N/mm², without damaging the tool. Bite cutting is suitable only to a limited extent for cutting through cables and lines.

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



Shear cutting



Bite cutting

Stripping

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

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

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

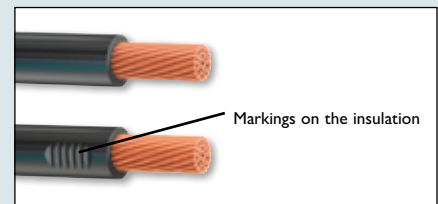
When removing insulation, you must make sure that neither the single wires inside nor the braided shield are damaged. The remaining insulation must not be damaged by the grip pressure, although pressure points on and color changes

in the insulation material are permitted. Further faults that need to be prevented are stipulated in DIN IEC 60352.

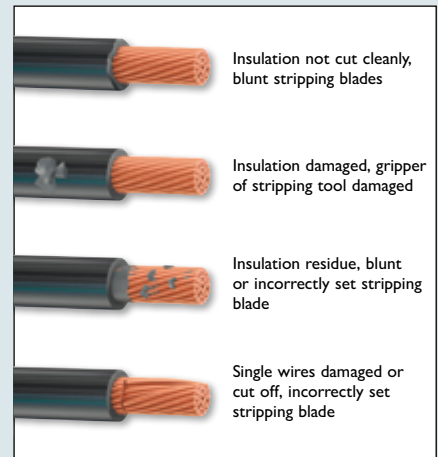
Blade geometries suitable for the application in question are used to process special insulation materials. V blades are used for both hard (e.g., Teflon/Radox®) and soft ductile rubber insulation (silicone).

In contrast to the straight blade geometry, V blades cut the insulation all the way around, thereby reducing the tear-off force.

In order to meet these requirements, we recommend using automatic stripping tools from Phoenix Contact's WIREFOX series.



Correctly stripped cable according to DIN IEC 60352



Stripping errors according to DIN IEC 60352

Crimping, pressing, crushing

Crimping describes the joining of contact and conductor mechanically.

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

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

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

A number of important points must be considered in order to establish a reliable connection between contact and conductor:

- The conductor must be processed correctly
- The conductor and the contact must be compatible
- The conductor must be positioned correctly in the contact
- A suitable crimping tool must be selected
- The conductor and contact must be placed in the designated die nest of the pliers

Professional crimping pliers are always equipped with a releasing pressure lock. They unlock as soon as the required crimping pressure is reached, therefore ensuring sufficient pressure is applied. This guarantees the user a constant crimping result with maximum pull-out values.

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

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

All tools in the CRIMPFOX series from Phoenix Contact have been adjusted and tested according to the applicable standards. These tools ensure long-term, stable, gas-tight crimping. The sophisticated mechanical design reduces the manual force required by 25 percent.

Clear assignment

An illustration of the connectors that can be processed ensures easy visual assignment.

25 percent less force required

The innovative mechanical design reduces the force needed by 25 percent. Even large cross-sections can be crimped reliably with very little force.

Ergonomic handling

Get an optimized grip with the two-component handle, featuring a rough-textured soft section on the upper handle, and a hardened lower handle that slides through your hand without friction.

Precision manufacturing

Precision-manufactured dies ensure consistently high levels of quality during contact processing.

Easy insertion

Even connectors with larger cross-sections can be inserted with ease due to the stable head of the pliers and its optimum opening angle.

Tool-free one-hand operation

The pressure lock is easy to access for release, if required, yet integrated into the handle for protection.

Nonslip pressure pad

A nonslip pressure pad for positioning on surfaces supports force transmission.

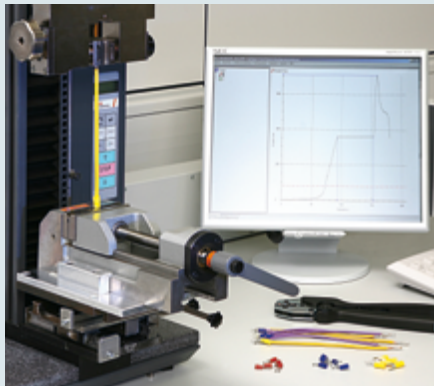


Conductor pull-out test

Conductor pull-out test according to DIN EN 60352-2

In practice, crimping points can be affected by tensile forces during wiring or operation.

Therefore, properly crimped contacts must offer a high degree of mechanical safety. To test the tensile load capacity, the crimping must withstand a predefined tensile force



based on the cross-section for 60 seconds. The tensile force exerts stress on the conductor at the crimping point. The crimping must withstand the force without any damage.

The test results for Phoenix Contact contacts are significantly higher than the minimum values required by the standard.

Conductor cross-section		Pull-out force
mm ²	AWG	N
0.14		18
	24	28
⋮	⋮	⋮
1.0		108
	16	135
⋮	⋮	⋮
6.0		360
	8	370

For ferrules, the minimum pull-out values are taken from DIN EN 60999-1.

Gas tightness

Gas tightness – test setup in accordance with DIN 50018

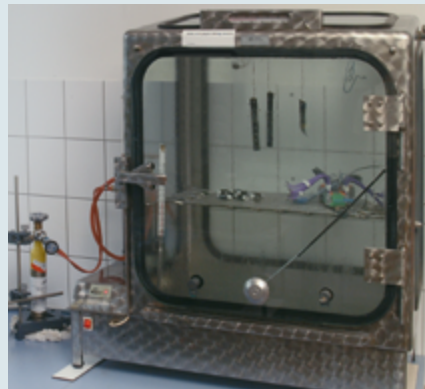
The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. Corrosion-free contact areas are a prerequisite for low-resistance, and therefore high-performance, connections.

This test method describes a corrosion test in condensation climates with an atmosphere that contains sulfur dioxide. Acidic compounds with a pH of less than 7 form during the test and attack the metal surfaces.

Two liters of distilled water and one liter of SO₂ gas are introduced into the test chamber. At a test temperature of 40°C, sulfurous acid forms during the test. After eight hours of testing, the test objects dry for 16 hours with the door open. At the

end of the test, a visual check of the test objects is conducted. Before and after the corrosion test, the contact resistance of the contacts is recorded according to DIN EN 60512-2-1:2002, and changes that can be attributed to the effects of corrosion are investigated.

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.



The voltage drop must not exceed 3.2 mV before or after the test, nor may it exceed 1.5 times the value measured at the start of the test.



TOOLfox

Tool expertise

The key feature of a professional tool is that you enjoy working with it! The excellent feel and ergonomics of the design, durability, and functionality guarantee optimum efficiency and quality. These properties are perfectly combined in all tools from Phoenix Contact.

TOOLfox – the right tool for every application:

- Cutting – with CUTFOX you can cut your cables cleanly and with minimum effort.
- Stripping – the consistent WIREFOX stripping quality is essential for clean crimping later.
- Crimping – quick and reliable crimping with CRIMPFOX tools.
- Mounting – SCREWFOX precision screwdrivers ensure optimum wiring quality.
- Testing – measuring with TESTFOX test devices increases product safety.

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

CUTFOX/UNIFOX

Cutting and universal tools

With CUTFOX, Phoenix Contact offers the perfect cable cutter for every application. Different versions are available for processing cables up to 100 mm in diameter. All parts of the cable cutters that are subject to particular strain are tempered or specially hardened.

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

Effortless clean results

Cut cables cleanly and with minimum effort using CUTFOX cutting tools. With UNIFOX universal tools, you can combine various functions and always have the right tool for different applications.

- Durable with specially hardened and tempered blades
- Optimized leverage and cutting geometry for ease of use
- Ergonomic handle design for low impact, fatigue-free use



Maximum force transmission

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



Ergonomic design

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



VDE-tested safety

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

CUTFOX cutting tools

Cable cutters				
Thanks to their special cutting geometry, the cable cutters ensure optimum cutting results. The ergonomic design of the handles makes for light work.				
Type	Order No.	CUTFOX-ES 1212621	CUTFOX-ES-1 1139721	CUTFOX-ES-2 1139724
Diameter (cross-section)		For Kevlar fibers/braided shield 1.5 mm² (solid conductor) 6 mm² (stranded conductor)	Cut up to 8 AWG, jacket removal up to 2 AWG	Cut and jacket removal up to 1/0, strip 14 & 16 AWG
				
				CUTFOX-MPS 1139725
				Cut plastic sheets and cardboard
				
Type	Order No.	CUTFOX 12 1212128	CUTFOX 18 1212129	CUTFOX-SE 1212832
Diameter (cross-section)		Up to 12 mm Ø (up to 35 mm²)	Up to 18 mm Ø (up to 50 mm²)	Diagonal cutter, angled design, 180 mm
The cable cutters meet the applicable VDE standards and are therefore safe, even if live conductors and cables are cut.				
Type	Order No.	CUTFOX 16 VDE 1212126	CUTFOX 25 VDE 1212127	CUTFOX-LB VDE 1212527
Diameter (cross-section)		1.5 mm² (solid conductor) 6 mm² (stranded conductor) Up to 16 mm Ø (up to 50 mm²)	Up to 25 mm Ø (up to 70 mm²)	Up to 50 mm Ø (up to 6 x 16 x 0.8 mm)
				
				CUTFOX-SE LM 1212833
				Electricians diagonal cutter, angled design, with stripping, crimping, and bending function. Screw pinners up to M3.5/M4, 180 mm

CUTFOX cutting tools

Ratchet cable cutters

One- and two-hand ratchet cable cutters with ratchet function for minimum effort, unlockable, for cutting copper and aluminum up to 100 mm in diameter (1400 mm²) without crushing.



Type	Order No.	CUTFOX 25 1212130	CUTFOX 35 1212131	CUTFOX 45 1212132
Diameter (cross-section)		Up to 25 mm Ø (up to 185 mm ²)	Up to 35 mm Ø (up to 300 mm ²)	Up to 45 mm Ø (up to 300 mm ²)

Our ratchet cable cutters are ideal for long-term use due to their sturdy design.



Type	Order No.	CUTFOX 52 1212133	CUTFOX 62 1212134	CUTFOX 100 1212135
Diameter (cross-section)		Up to 52 mm Ø (up to 300 mm ²)	Up to 62 mm Ø (up to 750 mm ²)	Up to 100 mm Ø (up to 1400 mm ²)

The CUTFOX 50 STEEL is also suitable for steel-armored cables and stranded steel rope.



Type	Order No.	CUTFOX 50 STEEL 1212526		
Diameter (cross-section)		Up to 50 mm Ø (up to 300 mm ²)		

VDE diagonal cutters

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



Type	Order No.	CUTFOX-S VDE* 1212207	CUTFOX-SP VDE* 1212206	CUTFOX SP Bolt VDE 1212831
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Special cutting tools

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



Type	Order No.	CUTFOX-FBS 1212124	CUTFOX-FB 1205985	
Cutting capacity		FBS...jumpers 4 to ... 8 and EB... insertion bridges	FBI fixed bridges 10 - 6 ... FBI 10 - 12 mm ²	

UNIFOX universal tools

VDE combination pliers, water pump pliers

VDE-insulated combination pliers, straight or angled form, gripping surfaces, integrated M8 - M10 ring key, and blade.
Water pump pliers, groove joint, gripping surfaces with dual notching.
Screw pliers, rapid-adjustment wrench sizing.



Type	Order No.	UNIFOX-C VDE*	1212202	UNIFOX-CE VDE*	1212203	UNIFOX-WP	1212365	UNIFOX-Wrench	1212835
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VDE needle-nose pliers, flat-nose, and round-nose pliers

The VDE-insulated needle-nose pliers are available with straight and 45° angled tip. The gripping surfaces are notched, and the integrated blades are hardened inductively.



Type	Order No.	UNIFOX-P VDE	1212204	UNIFOX-PC VDE	1212205	UNIFOX-PE VDE*	1212529
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The gripping surfaces of the flat-nosed and round-nose pliers are finely notched in order to grip workpieces securely without damaging them.



Type	Order No.	UNIFOX-F VDE	1212363	UNIFOX-R VDE	1212364
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*) Optimally positioned fulcrums require, only a small amount of manual force when using these tools.

Contact removal and assembly tools

Removal tools for turned contacts and assembly tool for crimp contact.



Type	Order No.	UNIFOX RT-CK 1.6	1072069	UNIFOX RT-CK 2.5	1072067	UNIFOX RT-CK 4.0	1072064	UNIFOX MT-CK 1.6/2.5	1089092
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Blind rivet pliers

UNIFOX-RVT P rivet setting tools for plastic body-bound rivets



Type	Order No.	UNIFOX RVT P 4	1212478	UNIFOX RVT P 6	1212509	RVT-PA 4 RVT-PA 6	3240498 3240499
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Cable binder tools

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



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

UNIFOX universal tools

Cable duct cutters

The cable duct cutters can easily cut through ducts and covers up to 75 mm wide. The universal limit stop allows you to make both right-angled and bevel cuts. The PPS-CD M cable duct cutter cuts ducts and covers up to 125 mm wide and 2.5 mm thick, without burring, in seconds.



Type	Order No.	Cutfox -CD	1212474	PPS CD M	1207569
Accessories					
Replacement blade				PPS CD BLADE	1207572
Replacement counter support				PPS CD M COHO	1208995
Workbench				PPS TABLE	1206285
With laminated wood panel 700 x 1200 x 50 mm				PPS Scale Inch	1206405

CUTFOX cutting tools

Profile cutting tools

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



Type	Order No.	PPS BASIC I/M	1207585	PPS STANDARD M	1206175	PPS CLASSIC M	1206243	PPS COMPACT	1104980
		With inch/metric measuring rail		With metric measuring rail		With metric measuring rail			
Type	Order No.			PPS STANDARD I/M	1206230	PPS CLASSIC I/M	1206256	PPS COMPACT/CLAMP	1104980
				With inch/metric measuring rail		With inch/metric measuring rail			
Type	Order No.							PPS COMPACT/SCALE-SET I/M	1105211
Description		For standard DIN rails NS15 / NS 35/7,5 / NS 35/15 / NLS-CU 3/10		Each for standard DIN rails NS15 / NS 32 / NS 35/7,5 / NS 35/15 NLS-CU 3/10 and two hole punches		Each for standard DIN rails NS15 / NS 32 / NS 35/7,5 / NS 35/15 NLS-CU 3/10 and two hole punches			

Accessories									
Stamping bit for elongated holes									
3.5 x 12 mm				PPS-ST (3,5x12)L	1203563				
4.5 x 12 mm				PPS-ST (4,5x12)L	1203534				
5.5 x 12 mm				PPS-ST (5,5x12)L	1202603				
6.5 x 15 mm				PPS-ST (6,5x15)L	1202593				
Stamping bit for cross holes									
3.5 x 12 mm				PPS-ST (3,5x12)Q	1203550				
4.5 x 12 mm				PPS-ST (4,5x12)Q	1203547				
5.5 x 12 mm				PPS-ST (5,5x12)Q	1203411				
6.5 x 15 mm				PPS-ST (6,5x15)Q	1203408				
Stamping bit for bore holes									
3.8 mm Ø				PPS-ST (3,8)	1204892				
4.3 mm Ø				PPS-ST (4,3)	1202616				
5.3 mm Ø				PPS-ST (5,3)	1202629				
6.4 mm Ø				PPS-ST (6,4)	1202632				
7.0 mm Ø				PPS-ST (7,0)	1204889				
8.4 mm Ø				PPS-ST (8,4)	1202726				
Hydraulic cylinder									
For connection to an existing hydraulic system				PPS HYDRAULIC CYL	1208924				
Operating pressure: 160 - 220 bar				Only for PPS STANDARD					
Single-action with spring reset, G1/4 inch connection thread									
Workbench									
With laminated wood panel 700 x 1200 x 50 mm		PPS TABLE	1206285	PPS TABLE	1206285	PPS TABLE	1206285		

WIREFOX

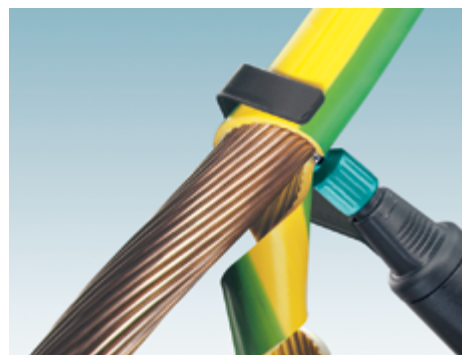
Stripping tools

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

Safe, fast, and clean stripping

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

- Easily replaceable blade cassettes provide simple versatility
- Ergonomic handle design provides fatigue-free and nonslip handling
- Durable, high-quality components and materials



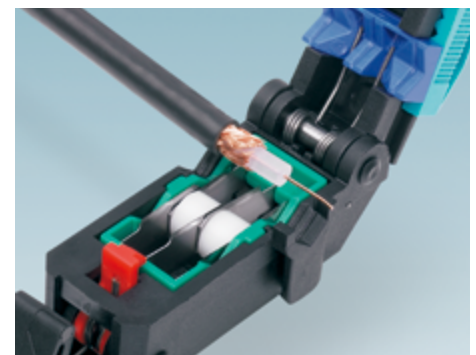
Precise and safe stripping

The WIREFOX stripping tools can strip all types of conductors and cables quickly, precisely, and reliably. Appropriate tools are also available for special types of insulation.



Easy blade replacement

The design of the pliers allows blade cassettes to be replaced easily, which means that special types of insulation can be processed using a standard tool.



Multistage stripping

The CUTFOX-D CX stripping tools enable multistage stripping of data and round cables in a single step. The cable remains undamaged with the central fine adjustment of the stripping blade.

WIREFOX stripping tools

Stripping pliers for conductors and cables

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



Type	Order No.	WIREFOX 10 1212150	WIREFOX-E 10 1212706	WIREFOX 16 1212155
Conductor / cable	[mm ²] / AWG	0.02 – 10 / 34 – 8	0.02 – 10 / 34 – 8	4 – 16 / 12 – 5
Stripping length up to ...	[mm]	18	18	18
Insulation type		Standard	Standard	Standard
Wire cutter solid // stranded	[mm ²] / AWG	1.5 / 16 // 10 / 8	1.5 / 16 // 10 / 8	1.5 / 16 // 12 / 8
Accessories				
Replacement blade		WIREFOX 10/SB 1212152	WIREFOX 10/SB 1212152	WIREFOX 16/SB 1212153
Clamping jaws		1200286	1200286	1200287

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



Type	Order No.	WIREFOX-E 16 1212707	WIREFOX 4 1212156	WIREFOX-E 4 1212704
Conductor / cable	[mm ²] / AWG	4 – 16 / 12 – 5	0.1 – 4 / 28 – 12	0.1 – 4 / 28 – 12
Stripping length up to ...	[mm]	18	18	18
Insulation type		Standard	Special insulation, e.g., PTFE	Special insulation, e.g., PTFE
Wire cutter solid // stranded	[mm ²] / AWG	1.5 / 16 // 10 / 8	1.5 / 16 // 10 / 8	1.5 / 16 // 10 / 8
Accessories				
Replacement blade		WIREFOX 16/SB 1212153	WIREFOX 4/SB 1212151	WIREFOX 4/SB 1212151
Clamping jaws		1200286	1200286	1200286

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



Type	Order No.	WIREFOX 6SC 1212158	WIREFOX-E 6SC 1212705	WIREFOX 2,5 1212368
Conductor / cable	[mm ²] / AWG	1.5 – 6 / 16 – 8	1.5 – 6 / 16 – 8	0.08 – 2.5 / 28 – 14
Stripping length up to ...	[mm]	18	18	15
Insulation type		Short-circuit-proof	Short-circuit-proof	Standard
Wire cutter solid // stranded	[mm ²] / AWG	1.5 / 16 // 10 / 8	1.5 / 16 // 10 / 8	2.5 / 14 // 6 / 10
Accessories				
Replacement blade		WIREFOX 6SC/SB 1212314	WIREFOX 6SC/SB 1212314	WIREFOX 2,5/SB 1212369
Replacement limit stop				WIREFOX 2,5/WS 1212370
Clamping jaws		1200286	1200286	1200286

WIREFOX stripping tools

Stripping pliers for sensor/actuator cables

The WIREFOX SAC is suitable for safely dismantling sensor/actuator (SAC) and similar cables. The specially shaped blade geometries prevent damage to the conductors inside.



Type	Order No.	WIREFOX 16-1 1212157	WIREFOX SAC 1212623	WIREFOX SAC-1 1212757
Conductor / cable diameter	[mm]	6 - 16 mm ² / AWG: 10 - 6	4.4 - 7 / AWG: 12 - 10	3.2 - 4.4 / AWG: 12 - 10
Stripping length up to ...	[mm]	Any	Any	Any
Insulation type		Standard	SAC cables	SAC cables
Accessories				
Replacement blade		WIREFOX 16-1/SB 1204944	WIREFOX SAC/SB 1200282	WIREFOX SAC-1/SB 1200283

Stripping pliers for AS-Interface flat-ribbon conductors

WIREFOX ASI is ideal for fast and precise stripping of AS-Interface flat-ribbon conductors. Due to the shape of the pliers, this tool is also suitable for longer lengths.



Type	Order No.	WIREFOX ASI 1212154	WIREFOX FC 1212619	
Insulation type		AS-Interface flat-ribbon conductor	Flat-ribbon conductors	
Stripping length	[mm]	Any	Any, stripping width up to 12 mm	
Replacement blade		WIREFOX ASI/SB 1208076	WIREFOX FC/SB 1200284	

Stripping pliers for cable cutouts and shield connections

The WIREFOX-D SHIELD is ideal for dismantling cables for cable cutouts, cable tap-offs, and shield connections.



Type	Order No.	WIREFOX-D SHIELD 1212172		
Conductor / cable diameter	[mm]	8 - 9		
Max. insulation thickness	[mm]	1.2		

VDE stripping pliers

The WIREFOX-MP VDE is a multifunctional tool that is suitable for both stripping and dismantling indoor installation cables, e.g., NYM. The VDE-insulated stripping pliers can be used to strip conductors up to 10 mm². The adjusting screw with locking nut ensures consistent stripping quality in standard production.



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

WIREFOX dismantling tools

Stripping tools for dismantling

The WIREFOX-D 11 dismantling tool strips single and multi-strand signal, control, and fiberglass cables up to 11 mm in diameter. The WIREFOX-D SR 6 is ideal for use with MC 3,4 and SOLAROK contacts, while the WIREFOX-D SR 6-1 is suitable for SUNCLIX field plugs.



Type	Order No.	WIREFOX-D 11	1212160	WIREFOX-D SR 6	1212507	WIREFOX-CX 6,35	1212733
				WIREFOX-D SR 6-1	1212511		
Conductor/cable diameter	[mm]	2.5 – 11					
Max. insulation thickness	[mm]	1.0					
Conductor	[mm²]			2.5 – 6		RG 59 and RG 6	
Stripping length	[mm]	Any		8.5 / 15		6.35	
Replacement blade		WIREFOX-D 11/SB					
			1212312				

The WIREFOX-D 13 stripping tool is used for dismantling NYM cables up to 5 x 2.5 mm² with round and longitudinal cuts and to strip single wires from 0.2 to 4 mm². The WIREFOX-D 16 is used for fiber optic cables in particular.



Type	Order No.	WIREFOX-D 13	1212162	WIREFOX-D 16	1212173	WIREFOX-D 28	1212174
Conductor/cable diameter	[mm]	8 – 13		4 – 16		8 – 28	
Max. insulation thickness	[mm]	–		–		–	

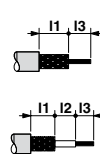
The WIREFOX-D 40 stripping tool is used to dismantle cables up to 40 mm in diameter. The swivel blade can be used to make round, longitudinal, and spiral cuts. The special blade can also be used to remove special types of insulation professionally and in a durable manner.



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

Stripping tools for multistage dismantling of coaxial cables

The WIREFOX-D CX... stripping tools allow you to easily perform multistage stripping of data and round cables in a single step. The cable remains undamaged due to the central fine adjustment of the stripping blade. The blade cassettes are compatible with the respective tool.



Type	Order No.	WIREFOX-D CX-1	1212163	Accessories - replacement blade	
2-stage/strip-off dimension I1 = 6.0 mm		WIREFOX-D CX-2	1212164	WIREFOX-D CX-1/SB	1212303
2-stage/strip-off dimension I1 = 9.2 mm		WIREFOX-D CX-3	1212165	WIREFOX-D CX-2/SB	1212304
2-stage/strip-off dimension I1 = 12 mm		WIREFOX-D CX-4	1212166	WIREFOX-D CX-3/SB	1212305
2-stage/strip-off dimension I1 = 6.8 mm		WIREFOX-D CX-5	1212167	WIREFOX-D CX-4/SB	1212306
3-stage/strip-off dimension I1 = 5.5 mm and I2 = 5.5 mm		WIREFOX-D CX-6	1212168	WIREFOX-D CX-5/SB	1212307
3-stage/strip-off dimension I1 = 2.7 mm and I2 = 8.3 mm		WIREFOX-D CX-7	1212169	WIREFOX-D CX-6/SB	1212308
3-stage/strip-off dimension I1 = 6.0 mm and I2 = 6.0 mm		WIREFOX-D CX-8	1212170	WIREFOX-D CX-7/SB	1212309
3-stage/strip-off dimension I1 = 2.5 mm and I2 = 6.8 mm		WIREFOX-D CX-9	1212171	WIREFOX-D CX-8/SB	1212310
3-stage/strip-off dimension I1 = 3.5 mm and I2 = 7.5 mm				WIREFOX-D CX-9/SB	1212311

CRIMPFOX

Crimping tools

The extensive CRIMPFOX product range offers the professional user a new generation of crimping pliers. A special power transmission method reduces the amount of manual force required by 25 percent at maximum crimping pressure. The optimized handle geometry makes for light work, while the integrated pressure lock ensures long-term, stable, high-quality, gastight crimping.

Professional crimping

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

- Interchangeable dies allow maximum flexibility
- Easy handling, due to the ergonomic handle design
- Durable high-quality components and raw materials



Professional crimping

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



High-quality crimping

Precise dies and an integrated pressure lock ensure long-term, stable, gas-tight crimping. The pressure lock ensures that the crimp cycle is carried out in full. If required, it can be unlocked with one hand.



Flexibility

Rotating crimping pliers for front or side entry enables flexibility and comfort whether working at a workstation or directly inside a cabinet.



Overview of crimping tools for ferrules, connectors, and more

Ferrules for insulated and uninsulated contacts



Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
CRIMPFOX 2,5-M	1212719	0.25 – 2.5	24 – 14	30
CRIMPFOX 6	1212034	0.25 – 6	24 – 10	30
CRIMPFOX 6-M	1212720	0.25 – 6	24 – 10	30
CRIMPFOX 6S-F	1212043	0.5 – 6	20 – 10	30
CRIMPFOX 10	1212721	4 – 10	12 – 8	30
CRIMPFOX 25R	1212039	10 – 25	8 – 4	30
CRIMPFOX 50R	1212041	35 – 50	2 – 1	30
CRIMPFOX Duo 10	1031721	0.14 – 10	24 – 8	26
CRIMPFOX 10T-F	1134913	0.14 – 10	24 – 8	26
CRIMPFOX Centrus 10S	1213154	0.14 – 10	24 – 8	28
CRIMPFOX Centrus 10H	1213156	0.14 – 10	24 – 8	28
CRIMPFOX 4in1	1200101	0.5 – 2.5	20 – 14	27

Cable lugs and connectors



Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
CRIMPFOX-RCI 1	1212055	0.14 – 1	26 – 18	31
CRIMPFOX-RCI 1-M	1212727	0.14 – 1	26 – 18	31
CRIMPFOX-RCI 2,5	1212053	0.75 – 2.5	20 – 14	31
CRIMPFOX-RCI 2,5-M	1212728	0.75 – 2.5	20 – 14	31
CRIMPFOX-RCI 6	1212057	0.75 – 6	20 – 10	31
CRIMPFOX-RCI 6-M	1212730	0.75 – 6	20 – 10	31
CRIMPFOX-RCI DIN 6	1212729	0.75 – 6	20 – 10	31
CRIMPFOX-RCI 6-1	1212059	0.75 – 6	20 – 10	31
CRIMPFOX-HS 6	1212722	0.5 – 6	20 – 10	31

Uninsulated cable lugs



Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
CRIMPFOX RC 2,5	1212063	0.75 – 2.5	22 – 14	32
CRIMPFOX-RC 2,5-M	1212723	0.75 – 2.5	22 – 14	32
CRIMPFOX-RC 6	1212710	0.5 – 6	20 – 10	32
CRIMPFOX-RC 6-M	1212724	0.5 – 6	20 – 10	32
CRIMPFOX RC 10	1212061	4 – 10	12 – 8	32
CRIMPFOX RC 25	1212065	10 – 25	8 – 4	32
CRIMPFOX-RCT 16 (tubular cable lug)	1212731	4 – 16	12 – 4	32
CRIMPFOX RCT 25-1 (tubular cable lug)	1212066	10 – 25	8 – 4	32
CRIMPFOX-RCT 70 (tubular cable lug)	1212732	10 – 70	8 – 00	32

Uninsulated slip-on sleeves



Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
CRIMPFOX-SC 1,5	1212048	0.1 – 1.5	26 – 16	33
CRIMPFOX-SC 1,5-M	1212725	0.1 – 1.5	26 – 16	33
CRIMPFOX-SC 6L	1212052	0.5 – 6	22 – 10	33
CRIMPFOX-SC 6	1212050	0.5 – 6	22 – 10	33
CRIMPFOX-SCA 2,5-M	1212726	1 – 2.5	18 – 14	33

Turned contacts



Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
CRIMPFOX-TC 4	1212113	0.5 – 4	22 – 12	33
CRIMPFOX-TC 10	1212114	4 – 10	12 – 8	33
CRIMPFOX-TC MP	1212510	0.08 – 2.5	28 – 14	33

Overview of crimping tools for ferrules, connectors, and more

Coaxial connectors/fiber-optic connector

	Crimping tool designation	Order No.	Hex wrench width across flats [mm]	Page
	CRIMPFOX-FO 5,41	1212099	3.25 / 3.84 / 4.52 / 5.0 / 5.41	33
	CRIMPFOX-CX 4,52	1212094	1.69 / 3.25 / 4.52	34
	CRIMPFOX-CX 6,48	1212095	1.69 / 5.41 / 6.48	34
	CRIMPFOX-CX 9,14	1212096	1.73 / 8.23 / 9.14	34
	CRIMPFOX-CX 10,54	1212097	2.54 / 10.54	34
	CRIMPFOX-CX 10,90	1212098	2.54 / 10.90	34
	CRIMPFOX-CX 4,52-M	1212713	1.69 / 3.25 / 4.52	34
	CRIMPFOX-CX 5,41-M	1212712	0.7 / 1.07 / 1.69 / 3.25 / 4.52 / 5.41	34
	CRIMPFOX-CX 6,48-M	1212714	1.69 / 5.41 / 6.48	34
	CRIMPFOX-CX 7,06 HD-M	1212718	1.04 / 4.52 / 6.48 / 7.06	34
	CRIMPFOX-CX 10,90-1	1212715	1.69 / 2.54 / 5.41 / 10.90	34

D-SUB contacts

	Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
	CRIMPFOX-DSUB 5	1212111	0.08 – 0.5	28 – 22	35
	CRIMPFOX-DSUB 5-1	1212711	0.05 – 0.5	30 – 22	35

Crimp snap-in contacts

	Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
	CRIMPFOX MT 2,5	1204038	0.5 – 2.5	20 – 12	35

Solar connectors

	Crimping tool designation	Order No.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Page
	CRIMPFOX-SR 6-1	1212467	2.5 – 6	14 – 10	35
	CRIMPFOX-SR 6-2	1212468	2.5 – 6	14 – 10	35
	CRIMPFOX-SR 6-3	1212469	2.5 – 6	14 – 10	35

Coaxial CATV connectors

	Crimping tool designation	Order No.	Conductor	Page
	CRIMPFOX-CATV 8,23	1212716	1.69 / 8.23	35
	CRIMPFOX-CATV 8,23-1	1212717	6.65 / 8.23 / 9.70	35

Data plug

	Crimping tool designation	Order No.		Page
	CRIMPFOX-C D	1212734		36

One tool, four functions: cutting, stripping, twisting, and crimping

CRIMPFOX 4in1

The CRIMPFOX 4in1 multifunctional crimping pliers allows you to handle conductors and ferrules quickly and easily with time savings of up to 30 percent. 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. Equipped with a 4-stage pressure lock, the pliers provide consistently high-quality crimping. The cross-section can be conveniently changed from 20-14 AWG in a matter of seconds by replacing the ferrule magazine, which is loaded with taped products.



1. Cutting



2. Stripping

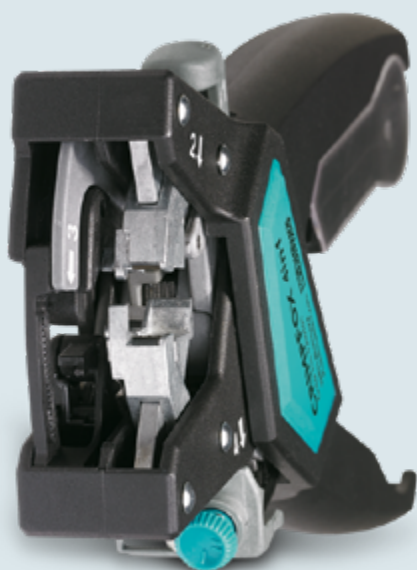


3. Twisting



4. Crimping

Ordering data	Conductor (mm ²)/AWG	Type	Order No.
	0.5 - 2.5 / 20 - 14	CRIMPFOX 4in1	1200101
	0.5 - 2.5 / 20 - 14	CRIMPFOX 4in1 SET	1200102
	0.5 - 2.5 / 20 - 14	CRIMPFOX 4in1/MAG	1200103
	0.5 / 20	Al 0,5-8 WH S1	1200104
	0.75 / 18	Al 0,75-8 GY S1	1200105
	1.0 / 18	Al 1,0-8 RD S1	1200106
	1.5 / 16	Al 1,5-8 BK S1	1200107
	2.5 / 14	Al 2,5-8 BU S1	1200108



Rotating crimping pliers for front or side entry

CRIMPFOX DUO 10

The Crimpfox DUO 10 features a rotating die for front or side entry. When used with Phoenix Contact ferrules, it offers UL486F with a trapezoidal crimp profile. The DUO 10's rotating ferrule crimper has an open die station for 24 - 8 AWG single wires, or 2x20 - 2x12 AWG twin ferrules. The die can be rotated, enabling either front entry — for working inside a cabinet — or side entry, for use at a workstation. This ergonomically designed tool features robust, durable construction as well as handles made with a non-slip pressure pad.

Description	Part number
CRIMPFOX DUO 10	1031721
CRIMPFOX DUO 10 SET	1044971



CRIMPFOX crimping tools



Crimping pliers for ferrules

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



Type	Order No.
Conductor	[mm ²] / AWG

CRIMPFOX 6S-F	1212043
0.5 – 6 / 20 – 10	

CRIMPFOX 6	1212034
0.25 – 6 / 24 – 10	

CRIMPFOX 2,5-M	1212719
0.25 – 2.5 / 24 – 14	

Accessories

Replacement die

Replacement recuperating spring

CRIMPFOX/SPR-3	1212036
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CRIMPFOX 6/DIE	1212035
CRIMPFOX/SPR-3	1212036

CRIMPFOX/SPR-1	1212069
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The CRIMPFOX pliers are equipped with a pressure lock (unlockable). The innovative design and ergonomically shaped handles reduce the amount of force required.



Type	Order No.
Conductor	[mm ²] / AWG

CRIMPFOX 6-M	1212720
0.25 – 6 / 24 – 10	

CRIMPFOX 10T-F	1134913
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Accessories

Replacement recuperating spring

CRIMPFOX/SPR-1	1212069
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CRIMPFOX/SPR-1	1212069
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CRIMPFOX/SPR-1	1212069
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These compact crimping pliers have been designed to reduce effort with a built-in ratcheted mechanism to ensure a proper and complete crimp. The handles provide a comfortable ergonomic fit and a nonslip pressure point. The self-adjusting dies automatically adapt to the cross-section.



Type	Order No.
Conductor	[mm ²] / AWG

CRIMPFOX Centrus 6S	1213144
0.14 – 6 / 24 – 10	

CRIMPFOX Centrus 10S	1213154
0.14 – 10 / 24 – 8	

CRIMPFOX Centrus 6H	1213146
0.14 – 6 / 24 – 10	

CRIMPFOX Centrus 10H	1213156
0.14 – 10 / 24 – 8	

Accessories

Replacement die

CRIMPFOX/SPR-2	1212047
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CRIMPFOX/SPR-2	1212047
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The crimping pliers are used to process ferrules up to 50 mm². The ergonomically designed handles and the optimized mechanical transmission ensure an optimum grip and reduce the amount of force required by 25%.



Type	Order No.
Conductor	[mm ²] / AWG

CRIMPFOX 10	1212721
4 – 10 / 12 – 8	

CRIMPFOX 25R	1212039
10 – 25 / 8 – 4	

CRIMPFOX 50R	1212041
35 – 50 / 2 – 1	

Crimpfox 16R Twin	1212845
6, 10, 16 / 6, 8, and 10	

Accessories

Replacement die

Replacement recuperating spring

CRIMPFOX/SPR-1	1212069
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CRIMPFOX 25R/DIE	1212040
CRIMPFOX/SPR-1	1212069

CRIMPFOX 50R/DIE	1212042
CRIMPFOX/SPR-1	1212069

CRIMPFOX crimping tools



Crimping pliers for insulated cable lugs and connectors

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



Type	Order No.	CRIMPFOX-RCI 1	1212055	CRIMPFOX-RCI 2,5	1212053
Conductor	[mm²] / AWG	0.14 – 1 / 26 – 18		0.75 – 2.5 / 20 – 14	

Accessories

Replacement die	CRIMPFOX-RCI 1/DIE	1212056	CRIMPFOX-RCI 2,5/DIE	1212054
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The RCI...M crimping pliers have a compact frame and optimized leverage, with minimum actuation force.



Type	Order No.	CRIMPFOX-RCI 1-M	1212727	CRIMPFOX-RCI 2.5-M	1212728	CRIMPFOX-RCI 6-M	1212730
Conductor	[mm²] / AWG	0.14 – 1 / 26 – 18		0.75 – 2.5 / 20 – 14		0.75 – 6 / 20 – 10	

Accessories

Replacement die				CRIMPFOX-RCI 6/DIE	1212058
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Even large cross-sections can be processed easily and with very little force using this series of pliers. The obligatory pressure lock ensures consistent high-quality results every time.



Type	Order No.	CRIMPFOX-RCI 6	1212057	CRIMPFOX-RCI 6-1	1212059	CRIMPFOX-RCI DIN 6	1212729
Conductor	[mm²] / AWG	0.75 – 6 / 20 – 10		0.75 – 6 / 20 – 10		0.75 – 6 / 20 – 10	

Accessories

Replacement die	CRIMPFOX-RCI 6/DIE	1212058	CRIMPFOX-RCI 6-1/DIE	1212290	CRIMPFOX-RCI 6/DIE	1212058
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The CRIMPFOX-HS 6 is suitable for crimping shrink connectors.



Type	Order No.	CRIMPFOX-HS 6	1212722
Conductor	[mm²] / AWG	0.5 – 6 / 20 – 10	

CRIMPFOX crimping tools



Crimping pliers for uninsulated cable lugs and tubular cable lugs

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



Type	Order No.	CRIMPFOX-RC 2,5	1212063	CRIMPFOX-RC 6	1212710
Conductor	[mm²] / AWG	0.75 – 2.5 / 22 – 14		0.5 – 6 / 20 – 10	
Accessories					
Replacement die		CRIMPFOX-RC 2,5/DIE	1212064		

The CRIMPFOX RC...M crimping pliers have a compact frame and optimized leverage, with minimum actuation force.



Type	Order No.	CRIMPFOX-RC 2,5-M	1212723	CRIMPFOX-RC 6-M	1212724
Conductor	[mm²] / AWG	0.75 – 2.5 / 22 – 14		0.5 – 6 / 20 – 10	

With the CRIMPFOX RC... pliers the actuation force required is kept to a minimum during work, even with larger cross-sections, due to the optimized leverage. The CRIMPFOX RC... and RC... M pliers have a pressure lock that can be unlocked without additional tools.



Type	Order No.	CRIMPFOX-RC 10	1212061	CRIMPFOX-RC 25	1212065
Conductor	[mm²] / AWG	4 – 10 / 12 – 8		10 – 25 / 8 – 4	
Accessories					
Replacement die		CRIMPFOX-RC 10/DIE	1212062	CRIMPFOX-RC 25/DIE	1212299

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



Type	Order No.	CRIMPFOX-RCT 25-1	1212066	CRIMPFOX-RCT 16	1212731	CRIMPFOX-RCT 70	1212732
Conductor	[mm²] / AWG	10 – 25 / 8 – 4		4 – 16 / 12 – 4		10 – 70 / 8 – 00	
Accessories							
Replacement die		CRIMPFOX-RCT 25/DIE	1212300				

CRIMPFOX crimping tools



Crimping pliers for uninsulated slip-on sleeves

The CRIMPFOX-SC... crimping pliers are used to process uninsulated slip-on blade connectors and slip-on sleeves up to 6 mm². The marked die stations enable precise processing. The CRIMPFOX-SCA 2,5-M is designed for processing angled slip-on sleeves.

					
CRIMPFOX-SC 1,5	1212048	CRIMPFOX-SC 1,5-M	1212725	CRIMPFOX-SCA 2,5-M	1212726
0.1 – 1.5 / 26 – 16		0.1 – 1.5 / 26 – 16		1 – 2.5 / 18 – 14	
CRIMPFOX-SC 1,5/DIE	1212049				
CRIMPFOX/SPR-3	1212036	CRIMPFOX/SPR-1	1212069	CRIMPFOX/SPR-1	1212069
					
CRIMPFOX-SC 6	1212050	CRIMPFOX-SC 6L	1212052		
0.5 – 6 / 22 – 10		0.5 – 6 / 22 – 10			
CRIMPFOX-SC 6/DIE	1212051	CRIMPFOX-SC 6/DIE	1212051		
CRIMPFOX/SPR-1	1212069	CRIMPFOX/SPR-1	1212069		

The CRIMPFOX-SC 6L is equipped with a locator as an additional positioning aid.



Crimping pliers for turned contacts

The CRIMPFOX-TC... crimping pliers are used to process turned contacts up to 10 mm². The integrated locator enables contacts with pin diameters of 1.6, 2.5, and 4 mm to be positioned precisely in the die.

  	  	  
CRIMPFOX-TC 4 0.5 – 4 / 22 – 12	CRIMPFOX-TC 10 4 – 10 / 12 – 8	CRIMPFOX-TC MP
1212113	1212114	1212510
CRIMPFOX-TC 4/DIE CRIMPFOX/SPR-1	CRIMPFOX-TC 10/DIE CRIMPFOX/SPR-1	
1212295 1212069	1212296 1212069	



Crimping pliers for fiber optic connectors

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

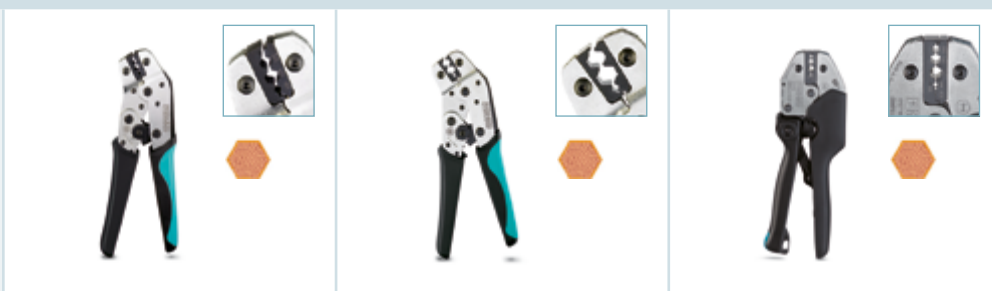
		
CRIMPFOX-FO 5,41	1212099	
3.25 / 3.84 / 4.52 / 5.0 / 5.41		
CRIMPFOX-FO 5,41/DIE	1212294	

CRIMPFOX crimping tools



Crimping pliers for coaxial connectors

The CRIMPFOX-CX... crimping pliers are used to process coaxial connectors. Equipped with a pressure lock, the pliers provide consistently high-quality crimping. For two- and three-stage stripping tools, see page 21.



Type	Order No.	CRIMPFOX-CX 4,52	1212094	CRIMPFOX-CX 6,48	1212095	CRIMPFOX-CX 7,06 HD-M	1212718
Hex wrench width across flats							
Die stations 1 / 2 / 3	[mm]	1.69 / 3.25 / 4.52		1.69 / 5.41 / 6.48		1.04 / 4.52 / 6.48 / 7.06	
Accessories							
Replacement die		CRIMPFOX-CX 4,52/DIE	1212284	CRIMPFOX-CX 6,48/DIE	1212286		

The innovative mechanical design of these pliers means that up to 25 percent less force is required compared to conventional pliers.



Type	Order No.	CRIMPFOX-CX 9,14	1212096	CRIMPFOX-CX 10,54	1212097	CRIMPFOX-CX 10,90	1212098
Hex wrench width across flats							
Die stations 1 / 2	[mm]	1.73 / 8.23 / 9.14		2.54 / 10.54		2.54 / 10.90	
Accessories							
Replacement die		CRIMPFOX-CX 9,14/DIE	1212293	CRIMPFOX-CX 10,54/DIE	1212291	CRIMPFOX-CX 10,90/DIE	1212292

The CRIMPFOX-CX... -M pliers have an extremely compact body.



Type	Order No.	CRIMPFOX-CX 4,52-M	1212713	CRIMPFOX-CX 5,41-M	1212712	CRIMPFOX-CX 6,48-M	1212714
Hex wrench width across flats							
Die stations 1 / 2 / 3 / 4 / 5 / 6	[mm]	1.69 / 3.25 / 4.52		0.7 / 1.07 / 1.69 / 3.25 / 4.52 / 5.41		1.69 / 5.41 / 6.48	

In the case of the CRIMPFOX-CX... crimping pliers, the conductor is inserted laterally.



Type	Order No.	CRIMPFOX-CX 10,90-1	1212715		
Hex wrench width across flats					
Die stations 1 / 2 / 3 / 4	[mm]	1.69 / 2.54 / 5.41 / 10.90			

CRIMPFOX crimping tools



Crimping pliers for D-SUB contacts

The CRIMPFOX-D SUB crimping pliers with integrated contact locator are used to process high-density and D-SUB 1 contacts from 0.08 to 0.5 mm².



Type	Order No.	CRIMPFOX-DSUB 5	1212111	CRIMPFOX-DSUB 5-1	1212711
Conductor	[mm ²] / AWG	0.08 – 0.5 / 28 – 22		0.05 – 0.5 / 30 – 22	
Accessories					
Replacement die		CRIMPFOX-DSUB 5/DIE	1212287		



Crimping pliers for crimp snap-in contacts

These crimping pliers are specially designed to work with Phoenix Contact contacts from the COMBICON product line.



Type	Order No.	CRIMPFOX MT 2,5	1204038	CRIMPFOX-P CC 0.75 L	1064998	CRIMPFOX-P CK 1.6 ER 2.5 OIC-L	1069228
Conductor	[mm ²] / AWG	0.5 – 2.5 / 20 – 12		0.14 – 0.75/24 – 20		0.14 – 2.5/24 – 14	
Contacts							
		MSTBC-MT 0,5-1,0	3190564		1013781		1004362
		MSTBC-MT 1,5-2,5	3190551		1013780		1004360
		ICC-MT 0,5-1,0	3190577		1013990		1004366
		ICC-MT 1,5-2,5	3190580		1013989		1004366
		STG-MTN 0,5-1,0	3190438		1013425		1004365
		STG-MTN 1,5-2,5	3190506		1013419		
Accessories							
Replacement die		CRIMPFOX MT 2,5 DIE	1208050				



Crimping pliers for solar connectors

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



Type	Order No.	CRIMPFOX-SR 6-1	1212467	CRIMPFOX-SR 6-2	1212468	CRIMPFOX-SR 6-3	1212469
Conductor	[mm ²] / AWG	2.5 – 6/14 – 10		2.5 – 6/14 – 10		2.5 – 6/14 – 10	
For solar connectors		MC3		MC4		SOLARLOK	

CRIMPFOX crimping tools



Crimping pliers for coaxial CATV connectors

The precision-manufactured dies enable optimum crimping of CATV contacts.



Type	Order No.	CRIMPFOX-CATV 8,23	1212716	CRIMPFOX-CATV 8,23-1	1212717
Conductor	[mm]	1.69 / 8.23		6.65 / 8.23 / 9.70	



Universal pliers for data plugs for accommodating various dies

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



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



COMBICON crimp connector

The Crimpfox-P CDC is a crimper designed exclusively for crimping CDC-MP contacts for SKEDD. It features a very precise parallel action frame with consistent crimping performance.



Type					
CDC-MP 1,14-0,5	Crimpfox-P CDC 0,5L	1142831	CDC-MP 1,14-0,5	1016664	
CDC-MP 0,5-1,5	Crimpfox-P CDC 1,5L	1142832	CDC-MP 0,5-1,5	1016662	
CDC-MP 1,5-2,5	Crimpfox-P CDC 2,5 L	1142833	CDC-MP 1,5-2,5	1016660	

CRIMPFOX crimping tools

Universal pliers for accommodating various crimp inserts

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



Type	Order No.	CRIMPFOX-M	1212072	CRIMPFOX-M SET	1212093
		Basic pliers without die		Contents: CRIMPFOX-M and 4 dies	
				1212074, 1212079, 1212080, 1212081	
Accessories					
Die, for ferrules					
0.25 - 10 mm ²		CRIMPFOX-M 10/DIE	1212080	CRIMPFOX-M 10/DIE	1212080 (included in the set)
16 - 25 mm ²		CRIMPFOX-M 25/DIE	1212081	CRIMPFOX-M 25/DIE	1212081 (included in the set)
35 - 50 mm ²		CRIMPFOX-M 50/DIE	1212082		
Die, for insulated cable lugs					
0.5 - 1.5 mm ² and 1.5 - 2.5 mm ²		CRIMPFOX-M RCI 2,5/DIE	1212074	CRIMPFOX-M RCI 2,5/DIE	1212074 (included in the set)
0.1 - 0.4 mm ² and 4 - 6 mm ²		CRIMPFOX-M RCI 6/DIE	1212073		
Die, for uninsulated cable lugs					
0.75 - 2.5 mm ²		CRIMPFOX-M RC 2,5/DIE	1212078		
0.5 - 6 mm ²		CRIMPFOX-M RC 6/DIE	1212079	CRIMPFOX-M RC 6/DIE	1212079 (included in the set)
4 - 10 mm ²		CRIMPFOX-M RC 10/DIE	1212077		
4 - 6 mm ² and 10 mm ²		CRIMPFOX-M RC 10-1/DIE	1212744		
Die, for uninsulated slip-on sleeves					
0.1 - 1 mm ²		CRIMPFOX-M SC 1/DIE	1212083		
0.5 - 2.5 mm ²		CRIMPFOX-M SC 2,5/DIE	1212084		
0.5 - 6 mm ²		CRIMPFOX-M SC 6/DIE	1212085		
0.5 - 6 mm ² wide, flat crimp		CRIMPFOX-M SC 6-FL/DIE	1212741		
1.0 - 2.5 mm ² , for angled slip-on sleeves, 6.3 mm		CRIMPFOX-M SCA 2,5/DIE	1212742		
1.0 - 2.5 mm ² , for angled slip-on sleeves, 8 mm		CRIMPFOX-M SCA 2,5-1/DIE	1212743		
Die, for turned contacts					
2.5 - 4.0 mm ² /cross-section: 0.14 - 4 mm ²		CRIMPFOX-M TC 4/DIE	1212075		
4.0 mm ² /cross-section: 6 - 10 mm ²		CRIMPFOX-M TC 10/DIE	1212076		
Die, for coaxial connectors					
RG 174, RG 179, BNC, TNC		CRIMPFOX-M CX 1/DIE	1212087		
RG 58, RG 59, RG 62, RG 71, BNC, TNC		CRIMPFOX-M CX 2/DIE	1212088		
CATV RG 6,59		CRIMPFOX-M CX 3/DIE	1212089		
BNC, TNC, RG6, 1.73, 6.48, 8.23		CRIMPFOX-M CX 4/DIE	1212745		
BNC, TNC, 0.70, 3.25, 3.85		CRIMPFOX-M CX 5/DIE	1212746		
BNC, TNC, 1.07, 6.48, 8.23		CRIMPFOX-M CX 6/DIE	1212747		
BNC, TNC, 1.72, 5.41		CRIMPFOX-M CX 7/DIE	1212748		
BNC, TNC, 1.72, 8.23		CRIMPFOX-M CX 8/DIE	1212749		
Die, for unshielded RJ45 connectors		CRIMPFOX-M RJ45/DIE	1212090		
Die, for unshielded RJ11 connectors		CRIMPFOX-M RJ11/DIE	1212091		
Die, for shrink butt connectors					
0.1 - 0.4 mm ² and 4 - 6 mm ²		CRIMPFOX-M HS-1/DIE	1212282		
0.5 - 1.5 mm ² and 1.5 - 2.5 mm ²		CRIMPFOX-M HS/DIE	1219092		
Die, for solar connectors					
MC3, Multi-Contact, 2.5 - 6 mm ²		CRIMPFOX M SR 6-1/DIE	1212471		
MC4, Multi-Contact, 2.5 - 6 mm ²		CRIMPFOX M SR 6-2/DIE	1212472		
SOLARLOK, Tyco, 2.5 - 6 mm ²		CRIMPFOX M SR 6-3/DIE	1212473		

CRIMPFOX crimping tools

Universal pliers for accommodating various crimp inserts

The wide variety of available dies means that the CRIMPFOX-C... pliers can be used as universal crimping pliers up to 120 mm². Easily foldable jaw holders allow the dies to be changed quickly. A mechanical drive system keeps the level of force required to an absolute minimum.



Type	Order No.	CRIMPFOX-C50	1212340	CRIMPFOX-C120	1212318
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Accessories: die combinations for ferrules



Upper die part

50 mm², 70 mm²

95 mm²

CRIMPFOX-C120 AI 70/M-DIE 1212335

CRIMPFOX-C120 AI 95/M-DIE 1212336

Lower die part

50 mm²

70 mm²

95 mm²

120 mm² (die pair)

CRIMPFOX-C120 AI 50/F-DIE 1212337

CRIMPFOX-C120 AI 70/F-DIE 1212338

CRIMPFOX-C120 AI 95/F-DIE 1212339

AI 120/DIE 1209910

Accessories: die combinations for uninsulated cable lugs



Upper die part

6 - 35 mm²

6 - 70 mm²

CRIMPFOX-C50 RC 35/M-DIE 1212343

CRIMPFOX-C120 RC 70/M-DIE 1212331

Lower die part

25 mm²

35 mm²

10, 16, 25, 35 mm²

6, 50 mm²

10, 70 mm²

CRIMPFOX-C50 RC 25/F-DIE 1212344

CRIMPFOX-C50 RC 35/F-DIE 1212345

CRIMPFOX-C120 RC 35/F-DIE 1212332

CRIMPFOX-C120 RC 50/F-DIE 1212333

CRIMPFOX-C120 RC 70/F-DIE 1212334

Accessories: die pair for insulated cable lugs



10 mm²

16 mm²

25 mm²

35 mm²

CRIMPFOX-C50 RCI 10/DIE 1212346

CRIMPFOX-C50 RCI 16/DIE 1212347

CRIMPFOX-C50 RCI 25/DIE 1212348

CRIMPFOX-C120 RCI 10/DIE 1212327

CRIMPFOX-C120 RCI 16/DIE 1212328

CRIMPFOX-C120 RCI 25/DIE 1212329

CRIMPFOX-C120 RCI 35/DIE 1212330

Accessories: die pair For standard copper tubular cable lugs



35 mm²

16, 35 mm²

50 mm²

25, 50 mm²

10, 70 mm²

95 mm²

120 mm²

CRIMPFOX-C50 RCT 35-1/DIE 1212341

CRIMPFOX-C120 RCT 35-1/DIE 1212320

CRIMPFOX-C50 RCT 50-1/DIE 1212342

CRIMPFOX-C120 RCT 50-1/DIE 1212321

CRIMPFOX-C120 RCT 70-1/DIE 1212319

CRIMPFOX-C120 RCT 95-1/DIE 1212322

CRIMPFOX-C120 RCT 120-1/DIE 1212323

Accessories: pre-round die pair for sector cables

25, 35 mm²

35, 50 mm²

50, 70 mm²

25, 50 mm²

35, 70 mm²

95 mm²

CRIMPFOX-C50 R25-35/DIE 1212349

CRIMPFOX-C50 R35-50/DIE 1212350

CRIMPFOX-C50 R50-70/DIE 1212351

CRIMPFOX-C120 R25-50/DIE 1212324

CRIMPFOX-C120 R35-70/DIE 1212325

CRIMPFOX-C120 R95/DIE 1212326

Ferrules

Tool and ferrule combinations for UL

Product	Part number	Description	AWG	Hand tools/automatic devices									
				CRIMPFOX 6 1212034	CRIMPFOX CENTRUS *H 1213146 1213156	CRIMPFOX CENTRUS *S 1213144 1213154	CRIMPFOX 25R 1212039	CRIMPFOX 50R 1212041	CRIMPFOX 4in1 1200101 1200102	CRIMPFOX 16R TWIN 1212845	CF 500 1208351	CF 1000 1208199 1212456	CF 3000 1205561
	3200687	Al 0,5 - 6 WH	20	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200014	Al 0,5 - 8 WH	20	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200881	Al 0,5 - 8 WH -1000	20	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3201275	Al 0,5 -10 WH	20	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200690	Al 0,75- 6 GY	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200519	Al 0,75- 8 GY	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200894	Al 0,75 - 8 GY - 1000	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3201288	Al 0,75-10 GY	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3203118	Al 0,75 - 10 GY - 1000	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200849	Al 0,75-12 GY	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200742	Al 1 - 6 RD	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200030	Al 1 - 8 RD	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200904	Al 1 - 8 RD - 1000	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200182	Al 1 -10 RD	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200674	Al 1 -12 RD	18	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200043	Al 1,5 - 8 BK	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200917	Al 1,5 - 8 BK -1000	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3202928	Al 1,5 - 8 RD-1000	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200195	Al 1,5 -10 BK	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3203134	Al 1,5 - 10 BK-1000	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3201482	Al 1,5 -12 BK	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200056	Al 1,5 -18 BK	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200166	Al 2 - 8 YE	16	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	
	3200522	Al 2,5 - 8 BU	14	Ⓛ	Ⓛ	Ⓛ					Ⓛ	Ⓛ	

Ⓛ = Tool and ferrule combinations for UL listing
*see page 41 for pullout-force

Tool and ferrule combinations for UL listing

Product	Part number	Description	AWG	Hand tools/automatic devices									
				CRIMPFOX 6 1212034	CRIMPFOX CENTRUS *H 1213146 1213156	CRIMPFOX CENTRUS *S 1213144 1213154	CRIMPFOX 25R 1212039	CRIMPFOX 50R 1212041	CRIMPFOX 4in1 1200101 1200102	CRIMPFOX 16R TWIN 1212845	CF 500 1208351	CF 1000 1208199 1212456	CF 3000 1205561
	3200933	Al-TWIN 2X 0,5 - 8 WH	2x20	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200807	Al-TWIN 2X 0,75- 8 GY	2x18	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200975	Al-TWIN 2X 0,75-10 GY	2x18	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200810	Al-TWIN 2X 1 - 8 RD	2x18	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200988	Al-TWIN 2X 1-10 RD	2x18	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3240679	Al-TWIN 2X1-12 RD	2x18	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200823	Al-TWIN 2X 1,5 - 8 BK	2x16	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200991	Al-TWIN 2X 1,5 -12 BK	2x16	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200836	Al-TWIN 2X 2,5 -10 BU	2x14	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3200878	Al-TWIN 2X 2,5 -13 BU	2x14	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3201000	Al-TWIN 2X 4-12 GY	2x12	Ⓛ	Ⓛ	Ⓛ					Ⓛ		
	3201013	Al-TWIN 2X 6-14 YE	2x10							Ⓛ	Ⓛ		
	1213206	Al-TWIN 2x10-14 BN	2x8							Ⓛ	Ⓛ		
	3201026	Al-TWIN 2X10-14 RD	2x8							Ⓛ	Ⓛ		
	3202847	Al-TWIN 2X16-16 BU	2x6							Ⓛ	Ⓛ		
	1200104	Al 0,5-8 WH-S1	20						Ⓛ				
	1200105	Al 0,75-8 GY-S1	18						Ⓛ				
	1200106	Al 1,0-8 RD-S1	18						Ⓛ				
	1200107	Al 1,5-8 BK-S1	16						Ⓛ				
	1200108	Al 2,5-8 BU-S1	14						Ⓛ				
	3240663	Al 0,5-8 WH-B 3000	20						Ⓛ				Ⓛ
	3201369	Al 0,5 - 8 WH-B	20						Ⓛ				Ⓛ
	3201372	Al 0,75- 8 GY-B	18						Ⓛ				Ⓛ
	3240664	Al 0,75-8 GY-B 3000	18						Ⓛ				Ⓛ
	3201385	Al 1 - 8 RD-B	18						Ⓛ				Ⓛ
	3240665	Al 1-8 RD-B 3000	18						Ⓛ				Ⓛ
	3240666	Al 1,5-8 BK-B 2500	16						Ⓛ				Ⓛ
	3201398	Al 1,5 - 8 BK-B	16						Ⓛ				Ⓛ
	3201408	Al 2,5 - 8 BU-B	14						Ⓛ				Ⓛ
	3240667	Al 2,5-8 BU-B 1500	14						Ⓛ				Ⓛ

Ferrules

Tool and ferrule combinations for UL

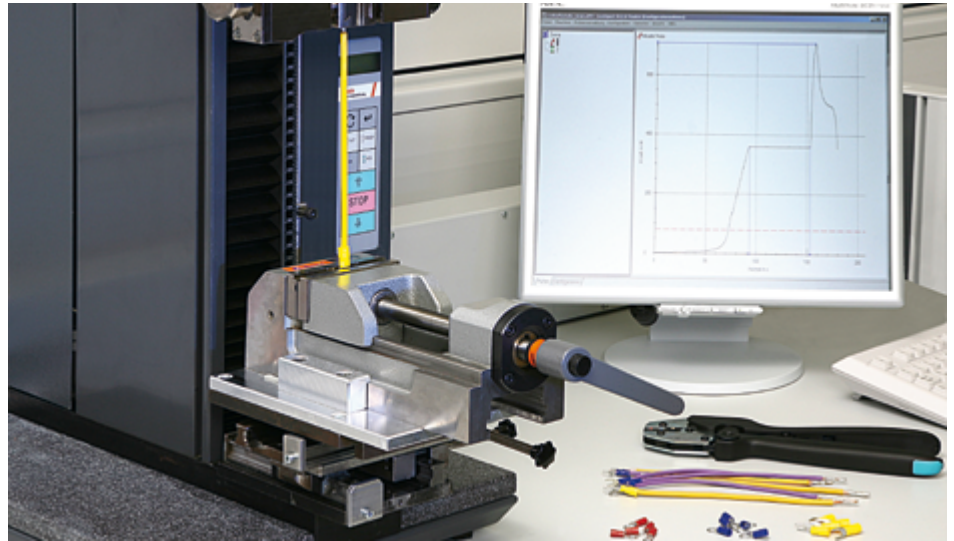
Product	Part number	Description	AWG	Hand tools/automatic devices									
				CRIMPFOX 6 1212034	CRIMPFOX CENTRUS *H 1213146 1213156	CRIMPFOX CENTRUS *S 1213144 1213154	CRIMPFOX 25R 1212039	CRIMPFOX 50R 1212041	CRIMPFOX 4in1 1200101 1200102	CRIMPFOX 16R TWIN 1212845	CF 500 1208351	CF 1000 1208199 1212456	CF 3000 1205561
	3200920	Al 2,5 - 8 BU - 1000	14	UL	UL	UL					UL	UL	
	3200962	Al 2,5 -12 BU	14	UL	UL	UL					UL	UL	
	3200580	Al 2,5 -18 BU	14	UL	UL	UL					UL		
	3200535	Al 4 -10 GY	12	UL	UL	UL					UL	UL	
	3200959	Al 4 -12 GY	12	UL	UL	UL					UL	UL	
	3200593	Al 4 -18 GY	12	UL	UL	UL					UL		
	3200548	Al 6 -12 YE	10	UL	UL	UL					UL	UL	
	3200603	Al 6 -18 YE	10	UL	UL	UL					UL		
	3200551	Al 10 -12 RD	8		UL	UL	UL				UL	UL	
	3200616	Al 10 -18 RD	8		UL	UL	UL				UL		
	3200564	Al 16 -12 BU	6				UL				UL		
	3200629	Al 16 -18 BU	6				UL				UL		
	3200577	Al 25 -16 YE	4				UL				UL		
	3201505	Al 25 -18 YE	4				UL				UL		
	3200700	Al 25 -22 YE	4				UL	UL			UL		
	3200441	Al 35 -16 RD	2					UL			UL		
	3201495	Al 35 -18 RD	2					UL			UL		
3200713	Al 35 -25 RD	2					UL			UL			
3200454	Al 50 -20 BU	1/0					UL			UL			
3200726	Al 50 -25 BU	1/0					UL			UL			
	3200218	A 0,5 - 6	20	UL	UL	UL					UL		
	3202494	A 0,5 -10	20	UL	UL	UL					UL		
	3200221	A 0,75- 6	18	UL	UL	UL					UL		
	3200234	A 0,75-10	18	UL	UL	UL					UL		
	3200247	A 1 - 6	18	UL	UL	UL					UL		
	3200250	A 1 -10	18	UL	UL	UL					UL		
	3200263	A 1,5 - 7	16	UL	UL	UL					UL		
	3200276	A 1,5 -10	16	UL	UL	UL					UL		
	3202588	A 1,5 -12	16	UL	UL	UL					UL		
	3202601	A 1,5 -18	16	UL	UL	UL					UL		
	3200289	A 2,5 - 7	14	UL	UL	UL					UL		
	3200292	A 2,5 -12	14	UL	UL	UL					UL		
	3202821	A 2,5 -18	14	UL	UL	UL					UL		
	3200302	A 4 - 9	12	UL	UL	UL					UL		
	3200315	A 4 -12	12	UL	UL	UL					UL		
	3202834	A 4 -18	12	UL	UL	UL					UL		
	3202520	A 6 -10	10	UL	UL	UL					UL		
	3200328	A 6 -12	10	UL	UL	UL					UL		
	3200331	A 10 -12	8		UL	UL	UL	UL			UL		
	3200344	A 10 -18	8		UL	UL	UL	UL			UL		
	3200425	A 16 -12	6				UL				UL		
	3200360	A 25 -15	4				UL				UL		
	3200373	A 25 -18	4				UL				UL		
	3200399	A 35 -18	2					UL	UL		UL		

UL = Tool and ferrule combinations for UL listing

*see page 39 for pullout-force

Conductor pull-out test

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



Conductor pull-out test

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

Cross section-related pull-out values

CRIMPFOX – corresponding connectors for the CRIMPFOX series

Ferrules with plastic sleeves, taped					Ring cable lugs, insulated						
Taped ferrules for automatic processing. The sleeves are supplied on large reels containing up to 3000 pieces.					The insulated ring cable lugs are hard-soldered and feature the “EASY ENTRY” system. The sleeves are conically tapered to facilitate easy and correct insertion of the conductor.						
Description Color range according to DIN 46228-4: 1990-09, CSA-certified Material / coating: E-CU / tin-plated Plastic sleeve material: polypropylene Long-term / short-term temperature: 105°C / 120°C					Description Insulated according to UL Material / coating: copper / tin-plated Temperature range: -20 ... 105°C						
Cross-section		Color	Length	Type	Order No.	Cross-section		Color	Hole	Type	Order No.
mm²	AWG		mm			mm²	AWG		Ø mm		
0.5	20	white	8.00	AI 0,5-8 WH-B 3000	3240663	0.5 - 1.5	20 - 16	red	3.20	C-RCI 1,5/M3	3240016
0.75	18	gray	8.00	AI 0,75-8 GY-B 3000	3240664	0.5 - 1.5	20 - 16	red	3.70	C-RCI 1,5/M3,5	3240017
1	18	red	8.00	AI 1-8 RD-B 3000	3240665	0.5 - 1.5	20 - 16	red	4.30	C-RCI 1,5/M4	3240018
1.5	16	black	8.00	AI 1,5-8 BK-B 2500	3240666	0.5 - 1.5	20 - 16	red	5.30	C-RCI 1,5/M5	3240019
2.5	14	blue	8.00	AI 2,5-8 BU-B 1500	3240667	0.5 - 1.5	20 - 16	red	6.50	C-RCI 1,5/M6	3240020

Slip-on sleeves and blade connectors, uninsulated					
The uninsulated slip-on sleeves and slip-on blade connectors are made from electrolytically tin-plated brass. They supplement the product range in terms of connectors.					
Description Slip-on sleeve, uninsulated, according to DIN 46247 Material / coating: brass / tin-plated Temperature range: ... 110°C					
Cross-section		Color	Width	Type	Order No.
mm²	AWG		mm		
0.5 - 1	20 - 18	silver	2.80	C-SCF 1/2,8X0,5	3240152
0.5 - 1	20 - 18	silver	2.80	C-SCF 1/2,8X0,8	3240153
0.5 - 1.5	20 - 16	silver	4.80	C-SCF 1,5/4,8X0,5	3240154
0.5 - 1.5	20 - 16	silver	4.80	C-SCF 1,5/4,8X0,8	3240155
0.5 - 1.5	20 - 16	silver	6.30	C-SCF 1,5/6,3X0,8	3240156
1.5 - 2.5	16 - 14	silver	4.80	C-SCF 2,5/4,8X0,5	3240157
1.5 - 2.5	16 - 14	silver	4.80	C-SCF 2,5/4,8X0,8	3240158
1.5 - 2.5	16 - 14	silver	6.30	C-SCF 2,5/6,3X0,8	3240159
4 - 6	12 - 10	silver	6.30	C-SCF 6/6,3X0,8	3240160
Slip-on blade connector, uninsulated according to DIN 46248					
0.5 - 1.5	20 - 16	silver	6.30	C-SCM 1,5/6,3X0,8	3240161
1.5 - 2.5	16 - 14	silver	6.30	C-SCM 2,5/6,3X0,8	3240162

Cross-section		Color	Hole	Type	Order No.
mm²	AWG		Ø mm		
0.5 - 1.5	20 - 16	red	3.20	C-RCEI 1,5/M3	3241201
0.5 - 1.5	20 - 16	red	3.70	C-RCEI 1,5/M3,5	3241202
0.5 - 1.5	20 - 16	red	4.30	C-RCEI 1,5/M4	3241203
0.5 - 1.5	20 - 16	red	5.30	C-RCEI 1,5/M5	3241204
0.5 - 1.5	20 - 16	red	6.50	C-RCEI 1,5/M6	3241205
1.5 - 2.5	16 - 14	blue	3.70	C-RCEI 2,5/M3,5	3241206
1.5 - 2.5	16 - 14	blue	4.30	C-RCEI 2,5/M4	3241207
1.5 - 2.5	16 - 14	blue	5.30	C-RCEI 2,5/M5	3241208
1.5 - 2.5	16 - 14	blue	6.50	C-RCI 2,5/M6	3241209
1.5 - 2.5	16 - 14	blue	8.50	C-RCEI 2,5/M8	3241210
4 - 6	12 - 10	yellow	5.30	C-RCEI 6/M5	3241211
4 - 6	12 - 10	yellow	6.50	C-RCEI 6/M6	3241212
4 - 6	12 - 10	yellow	8.50	C-RCEI 6/M8	3241213
4 - 6	12 - 10	yellow	10.50	C-RCEI 6/M10	3241214

CRIMPFOX – corresponding connectors for the CRIMPFOX series

Ring cable lugs, uninsulated

The ring cable lugs without plastic sleeves are made from high-quality tin-plated electrolytic copper for maximum protection against corrosion. The hard-soldered crimp zone enables maximum conductor pull-out values to be achieved.



Description

Uninsulated according to DIN 46234
Material / coating: copper / tin-plated
Temperature range: ... 110°C

Cross-section mm²	AWG	Color	Hole Ø mm	Type	Order No.	Cross-section mm²	AWG	Color	Hole Ø mm	Type	Order No.
0.5 - 1	20 - 18	silver	2.80	C-RC 1/M2,5 DIN	3240069	- 95	- 3/0	silver	13.00	C-RC 95/M12 DIN	3240122
0.5 - 1	20 - 18	silver	3.20	C-RC 1/M3 DIN	3240070	120	250	silver	8.40	C-RC 120/M8 DIN	3240124
0.5 - 1	20 - 18	silver	3.70	C-RC 1/M3,5 DIN	3240071	120	250	silver	10.50	C-RC 120/M10 DIN	3240125
0.5 - 1	20 - 18	silver	4.30	C-RC 1/M4 DIN	3240072	120	250	silver	13.00	C-RC 120/M12 DIN	3240126
0.5 - 1	20 - 18	silver	5.30	C-RC 1/M5 DIN	3240073	150	300	silver	10.50	C-RC 150/M10 DIN	3240128
0.5 - 1	20 - 18	silver	6.50	C-RC 1/M6 DIN	3240074	150	300	silver	13.00	C-RC 150/M12 DIN	3240129
0.5 - 1	20 - 18	silver	8.40	C-RC 1/M8 DIN	3240075	150	300	silver	17.00	C-RC 150/M16 DIN	3240130
1 - 2.5	18 - 14	silver	3.20	C-RC 2,5/M3 DIN	3240076	185	350	silver	10.50	C-RC 185/M10 DIN	3240131
1 - 2.5	18 - 14	silver	3.70	C-RC 2,5/M3,5 DIN	3240077	185	350	silver	13.00	C-RC 185/M12 DIN	3240132
1 - 2.5	18 - 14	silver	4.30	C-RC 2,5/M4 DIN	3240078	185	350	silver	17.00	C-RC 185/M16 DIN	3240133
1 - 2.5	18 - 14	silver	5.30	C-RC 2,5/M5 DIN	3240079	240	500	silver	10.50	C-RC 240/M10 DIN	3240134
1 - 2.5	18 - 14	silver	6.50	C-RC 2,5/M6 DIN	3240080	240	500	silver	13.00	C-RC 240/M12 DIN	3240135
1 - 2.5	18 - 14	silver	8.40	C-RC 2,5/M8 DIN	3240081	240	500	silver	17.00	C-RC 240/M16 DIN	3240136
1 - 2.5	18 - 14	silver	10.50	C-RC 2,5/M10 DIN	3240082						
2.5 - 6	14 - 10	silver	4.30	C-RC 6/M4 DIN	3240083						
2.5 - 6	14 - 10	silver	5.30	C-RC 6/M5 DIN	3240084						
2.5 - 6	14 - 10	silver	6.50	C-RC 6/M6 DIN	3240085						
2.5 - 6	14 - 10	silver	8.40	C-RC 6/M8 DIN	3240086						
2.5 - 6	14 - 10	silver	10.50	C-RC 6/M10 DIN	3240087						
2.5 - 6	14 - 10	silver	13.00	C-RC 6/M12 DIN	3240088						
- 10	- 8	silver	5.30	C-RC 10/M5 DIN	3240089						
- 10	- 8	silver	6.50	C-RC 10/M6 DIN	3240090						
- 10	- 8	silver	8.40	C-RC 10/M8 DIN	3240091						
- 10	- 8	silver	10.50	C-RC 10/M10 DIN	3240092						
- 10	- 8	silver	13.00	C-RC 10/M12 DIN	3240093						
- 16	- 6	silver	5.30	C-RC 16/M5 DIN	3240094						
- 16	- 6	silver	6.50	C-RC 16/M6 DIN	3240095						
- 16	- 6	silver	8.40	C-RC 16/M8 DIN	3240096						
- 16	- 6	silver	10.50	C-RC 16/M10 DIN	3240097						
- 16	- 6	silver	13.00	C-RC 16/M12 DIN	3240098						
- 25	- 4	silver	5.30	C-RC 25/M5 DIN	3240099						
- 25	- 4	silver	6.50	C-RC 25/M6 DIN	3240100						
- 25	- 4	silver	8.40	C-RC 25/M8 DIN	3240101						
- 25	- 4	silver	10.50	C-RC 25/M10 DIN	3240102						
- 25	- 4	silver	13.00	C-RC 25/M12 DIN	3240103						
- 25	- 4	silver	17.00	C-RC 25/M16 DIN	3240104						
- 35	- 2	silver	6.50	C-RC 35/M6 DIN	3240105						
- 35	- 2	silver	8.40	C-RC 35/M8 DIN	3240106						
- 35	- 2	silver	10.50	C-RC 35/M10 DIN	3240107						
- 35	- 2	silver	13.00	C-RC 35/M12 DIN	3240108						
- 35	- 2	silver	17.00	C-RC 35/M16 DIN	3240109						
- 50	- 1/0	silver	6.50	C-RC 50/M6 DIN	3240110						
- 50	- 1/0	silver	8.40	C-RC 50/M8 DIN	3240111						
- 50	- 1/0	silver	10.50	C-RC 50/M10 DIN	3240112						
- 50	- 1/0	silver	13.00	C-RC 50/M12 DIN	3240113						
- 50	- 1/0	silver	17.00	C-RC 50/M16 DIN	3240114						
- 70	- 2/0	silver	6.50	C-RC 70/M6 DIN	3240115						
- 70	- 2/0	silver	8.40	C-RC 70/M8 DIN	3240116						
- 70	- 2/0	silver	10.50	C-RC 70/M10 DIN	3240117						
- 95	- 3/0	silver	8.40	C-RC 95/M8 DIN	3240120						
- 95	- 3/0	silver	10.50	C-RC 95/M10 DIN	3240121						

Fork-type cable lugs, uninsulated

The fork-type cable lugs without insulation have a hard-soldered neck. When used in conjunction with the CRIMPFOX-RC... and CRIMPFOX-RCI... pliers they achieve maximum conductor pull-out forces.



Description

Uninsulated according to DIN 46234
Material / coating: copper / tin-plated
Temperature range: ... 110°C

Cross-section mm²	AWG	Color	Fork size mm	Type	Order No.
0.5 - 1.5	20 - 16	silver	3.20	C-FC 1,5/M3	3240137
0.5 - 1.5	20 - 16	silver	3.70	C-FC 1,5/M3,5	3240138
0.5 - 1.5	20 - 16	silver	4.30	C-FC 1,5/M4	3240139
0.5 - 1.5	20 - 16	silver	5.30	C-FC 1,5/M5	3240140
0.5 - 1.5	20 - 16	silver	6.40	C-FC 1,5/M6	3240141
1.5 - 2.5	16 - 14	silver	3.20	C-FC 2,5/M3	3240142
1.5 - 2.5	16 - 14	silver	3.70	C-FC 2,5/M3,5	3240143
1.5 - 2.5	16 - 14	silver	4.30	C-FC 2,5/M4	3240144
1.5 - 2.5	16 - 14	silver	5.30	C-FC 2,5/M5	3240145
1.5 - 2.5	16 - 14	silver	6.40	C-FC 2,5/M6	3240146
1.5 - 2.5	16 - 14	silver	8.40	C-FC 2,5/M8	3240147
4 - 6	12 - 10	silver	4.30	C-FC 6/M4	3240148
4 - 6	12 - 10	silver	5.30	C-FC 6/M5	3240149
4 - 6	12 - 10	silver	6.40	C-FC 6/M6	3240150
4 - 6	12 - 10	silver	8.40	C-FC 6/M8	3240151

CRIMPFOX – corresponding connectors for the CRIMPFOX series

Fork-type cable lugs, insulated						Slip-on sleeves and blade connectors, insulated																	
The insulated fork-type cable lugs are halogen-free and feature “EASY ENTRY” technology. When used in conjunction with the CRIMPFOX-RC... and CRIMPFOX-RCI... pliers, these cable lugs achieve maximum conductor pull-out forces.												The insulated slip-on blade connectors and slip-on sleeves with plastic collar feature easy and safe conductor insertion with “EASY ENTRY” technology, hard-soldered crimping zone for maximum pull-out forces, electrolytic tin plating, and they are halogen-free.											
Description According to UL Material / coating: copper / tin-plated Temperature range: -20 ... 105°C						Description Slip-on sleeve , insulated according to UL Material / coating: brass / tin-plated Temperature range: -20 ... 105°C																	
Cross-section		Color	Fork size	Type	Order No.	Cross-section		Color	Width	Type	Order No.	Cross-section		Color	Width	Type	Order No.						
mm²	AWG		mm			mm²	AWG		mm			mm²	AWG		mm								
0.5 - 1.5	20 - 16	red	3.20	C-FCI 1,5/M3	3240032	0.5 - 1.5	20 - 16	red	2.80	C-SCFI 1,5/2,8X0,5	3240048	0.5 - 1.5	20 - 16	red	2.80	C-SCFI 1,5/2,8X0,8	3240049						
0.5 - 1.5	20 - 16	red	3.70	C-FCI 1,5/M3,5	3240033	0.5 - 1.5	20 - 16	red	2.80	C-SCFI 1,5/4,8X0,5	3240050	0.5 - 1.5	20 - 16	red	4.80	C-SCFI 1,5/4,8X0,8	3240051						
0.5 - 1.5	20 - 16	red	4.30	C-FCI 1,5/M4	3240034	0.5 - 1.5	20 - 16	red	4.80	C-SCFI 1,5/6,3X0,8	3240052	0.5 - 1.5	20 - 16	red	4.80	C-SCFI 2,5/4,8X0,5	3240053						
0.5 - 1.5	20 - 16	red	5.30	C-FCI 1,5/M5	3240035	0.5 - 1.5	20 - 16	red	6.30	C-SCFI 2,5/4,8X0,8	3240054	0.5 - 1.5	20 - 16	red	6.30	C-SCFI 2,5/6,3X0,8	3240055						
0.5 - 1.5	20 - 16	red	6.50	C-FCI 1,5/M6	3240036	0.5 - 1.5	20 - 16	red	6.30	C-SCFI 6/6,3X0,8	3240056	1.5 - 2.5	16 - 14	blue	4.80	C-SCFI 6/6,3X0,8	3240060						
1.5 - 2.5	16 - 14	blue	3.20	C-FCI 2,5/M3	3240037	1.5 - 2.5	16 - 14	blue	4.80	C-SCMI 1,5/6,3X0,8	3240058	1.5 - 2.5	16 - 14	blue	4.80	C-SCMI 2,5/6,3X0,8	3240059						
1.5 - 2.5	16 - 14	blue	3.70	C-FCI 2,5/M3,5	3240038	1.5 - 2.5	16 - 14	blue	6.30	C-SCMI 6/6,3X0,8	3240060	4 - 6	12 - 10	yellow	6.30								
1.5 - 2.5	16 - 14	blue	4.30	C-FCI 2,5/M4	3240039	Slip-on blade connector , insulated according to UL																	
1.5 - 2.5	16 - 14	blue	5.30	C-FCI 2,5/M5	3240040	0.5 - 1.5	20 - 16	red	6.30			0.5 - 1.5	20 - 16	red	6.30								
1.5 - 2.5	16 - 14	blue	6.50	C-FCI 2,5/M6	3240041	0.5 - 1.5	20 - 16	red	6.30			0.5 - 1.5	16 - 14	blue	6.30								
4 - 6	12 - 10	yellow	4.30	C-FCI 6/M4	3240042	4 - 6	12 - 10	yellow	6.30			4 - 6	12 - 10	yellow	6.30								
4 - 6	12 - 10	yellow	5.30	C-FCI 6/M5	3240043																		
4 - 6	12 - 10	yellow	6.50	C-FCI 6/M6	3240044																		
4 - 6	12 - 10	yellow	8.50	C-FCI 6/M8	3240045																		

Flat pin cable lugs with hooks, insulated						Flat pin cable lugs, straight, insulated													
The insulated flat pin cable lugs with plastic collars feature easy and safe conductor insertion with “EASY ENTRY” technology, electrolytic tin plating, and they are halogen-free.						Easy and safe conductor insertion with “EASY ENTRY,” hard-soldered crimping zone for maximum conductor pull-out forces in conjunction with the CRIMPFOX RCI... pliers, electrolytically tin-plated, halogen-free.													
Description Material / coating: copper / tin-plated Temperature range: -20 ... 105°C						Description Material / coating: copper / electrolytically tin-plated Temperature range: -20 ... 105°C													
Cross-section		Color	Pin width	Type	Order No.	Cross-section		Color	Pin width	Type	Order No.	Cross-section		Color	Pin width	Type	Order No.		
mm²	AWG		mm			Pin dim. mm:	mm²	AWG		mm		mm²	AWG		mm				
0 - 1.5	20 - 16	red	2.80	C-BCI 1,5/2,8	3240015	19.5 x 2.8	0.5 - 1.5	20 - 16	red	2.80	C-BCSI 1,5/9X2,8	3240531	19.5 x 2.8	0.5 - 1.5	20 - 16	red	2.80	C-BCSI 1,5/9X2,8	3240531
0.5 - 1.5	20 - 16	red	4.60	C-BCI 1,5/4,6	3240568	32 x 4.5	1.5 - 2.5	16 - 14	blue	2.80	C-BCSI 2,5/9X2,8	3240532	32 x 4.5	1.5 - 2.5	16 - 14	blue	2.80	C-BCSI 2,5/9X2,8	3240532
1.5 - 2.5	16 - 14	blue	2.80	C-BCI 2,5/2,8	3240046	32 x 4.5	4 - 6	12 - 10	yellow	2.80	C-BCSI 6/10X2,8	3240546	32 x 4.5	4 - 6	12 - 10	yellow	2.80	C-BCSI 6/10X2,8	3240546
1.5 - 2.5	16 - 14	blue	4.60	C-BCI 2,5/4,6	3240569	24 x 2.8	4 - 6	12 - 10	yellow	4.50	C-BCSI 6/18X4,5	3240533	24 x 2.8	4 - 6	12 - 10	yellow	4.50	C-BCSI 6/18X4,5	3240533
4 - 6	12 - 10	yellow	2.80	C-BCI 6/2,8	3240047														
4 - 6	12 - 10	yellow	4.60	C-BCI 6/4,6	3240570														

CRIMPFOX – corresponding connectors for the CRIMPFOX series

Pin cable lugs, insulated						Butt connectors, fully insulated					
The insulated pin cable lugs with plastic collar feature easy and safe conductor insertion with "EASY ENTRY" technology, hard-soldered crimping zone for maximum pull-out forces, and electrolytic tin plating, and they are halogen-free.						Conductor push-through protection, hard-soldered crimping zone for maximum conductor pull-out forces in conjunction with the CRIMPFOX RCI... pliers, electrolytically tin-plated, halogen-free.					
											
Description Insulated according to UL Material / coating: copper / tin-plated Temperature range: -20 ... 105°C						Description Material / coating: copper / electrolytically tin-plated Temperature range: -20 ... 105°C					
Cross-section	Color	Pin Ø	Type	Order No.		Cross-section	Color	Width	Type	Order No.	
mm² AWG		mm				mm² AWG		mm			
0.5 - 1 20 - 16	red	2.00	C-PCI 1,5/2	3240064		0 - 1.5 20 - 16	red	4.00	C-JCI 1,5	3240061	
1.5 - 2.5 16 - 14	blue	2.00	C-PCI 2,5/2	3240066		1.5 - 2.5 16 - 14	blue	4.50	C-JCI 2,5	3240062	
4 - 6 12 - 10	yellow	2.70	C-PCI 6/2,7	3240068		4 - 6 12 - 10	yellow	6.00	C-JCI 6	3240063	

Pin cable lugs, insulated with additional crimp zone						Slip-on sleeves, fully insulated					
The insulated pin cable lugs with plastic collars feature easy and safe conductor insertion with "EASY ENTRY" technology, hard-soldered crimping zone for maximum pull-out forces, and electrolytic tin plating, and they are halogen-free.						Easy and safe conductor insertion with "EASY ENTRY," hard-soldered crimping zone for maximum conductor pull-out forces in conjunction with the CRIMPFOX RCI... pliers, electrolytically tin-plated, halogen-free.					
											
Description Material / coating: copper / tin-plated Temperature range: -20 ... 105°C						Description For connectors Material / coating: brass / electrolytically tin-plated Temperature range: -20 ... 105°C					
Cross-section	Color	Pin Ø	Type	Order No.		Cross-section	Color	Width	Type	Order No.	
mm² AWG		mm				mm² AWG		mm			
0.5 - 1 20 - 16	red	2.00	C-PCEI 1,5/2	3241215		2.8 x 0.5 mm 0.5 - 1.5 20 - 16	red	2.80	C-SCFFI 1,5/2,8X0,5	3240534	
1.5 - 2.5 16 - 14	blue	2.00	C-PCEI 2,5/2	3241216		2.8 x 0.8 mm 0.5 - 1.5 20 - 16	red	2.80	C-SCFFI 1,5/2,8X0,8	3240535	
4 - 6 12 - 10	yellow	2.70	C-PCEI 6/2	3241217		4.8 x 0.5 mm 0.5 - 1.5 20 - 16	red	4.80	C-SCFFI 1,5/4,8X0,5	3240536	
						4.8 x 0.8 mm 0.5 - 1.5 20 - 16	red	4.80	C-SCFFI 1,5/4,8X0,8	3240537	
						6.3 x 0.8 mm 0.5 - 1.5 20 - 16	red	6.30	C-SCFFI 1,5/6,3X0,8	3240538	
						4.8 x 0.5 mm 1.5 - 2.5 16 - 14	blue	4.80	C-SCFFI 2,5/4,8X0,5	3240539	
						4.8 x 0.8 mm 1.5 - 2.5 16 - 14	blue	4.80	C-SCFFI 2,5/4,8X0,8	3240540	
						6.3 x 0.8 mm 1.5 - 2.5 16 - 14	blue	6.30	C-SCFFI 2,5/6,3X0,8	3240547	
						6.3 x 0.8 mm 4 - 6 12 - 10	yellow	6.30	C-SCFFI 6/6,3X0,8	3240541	

Slip-on distributors, insulated					
Easy and safe conductor insertion with "EASY ENTRY," hard-soldered crimping zone for maximum conductor pull-out forces in conjunction with the CRIMPFOX RCI... pliers, electrolytically tin-plated, halogen-free.					
					
Description For 6.3 x 0.8 mm connectors and sleeves Material / coating: brass / electrolytically tin-plated Temperature range: -20 ... 105°C					
Cross-section	Color	Width	Type	Order No.	
mm² AWG		mm			
0.5 - 1 20 - 16	red	6.30	C-SCFMI 1,5/6,3X0,8	3240529	
1.5 - 2.5 16 - 14	blue	6.30	C-SCFMI 2,5/6,3X0,8	3240530	

Tool and crimp sets



TOOL DATA SET

Order No. 1208856

Set for cutting, stripping, and crimping

Consisting of:

- Cable cutter for copper and aluminum up to 12 mm in diameter, CUTFOX 12
- Stripping tool for dismantling multi-strand signal, control, and fiberglass cables 2.5 - 11 mm in diameter, WIREFOX-D11
- Basic pliers for accommodating dies for various contact types, CRIMPFOX-M
- Die for CRIMPFOX-M, for unshielded RJ45 connectors



TOOL SET ALLROUND 2

Order No. 1208843

Set for cutting, stripping, and crimping

Consisting of:

- Cable cutter for copper and aluminum up to 12 mm in diameter, CUTFOX 12
- Stripping tool for cables and conductors from 0.02 to 10 mm², WIREFOX 10
- Crimping pliers with integrated pressure lock for ferrules from 0.14 to 10 mm², CRIMPFOX 10S



TOOL SET ALLROUND 3

Order No. 1208953

Set for stripping, crimping, and screwing

Consisting of:

- Stripping tool for cables and conductors from 0.02 to 10 mm², WIREFOX 10
- Crimping pliers with integrated pressure lock for ferrules from 0.5 to 6 mm², with self-adjusting die, front entry, CRIMPFOX 6S-F
- Ferrules, 50 pcs. each of:
 - Al 0,5-8 WH
 - Al 2,5-8 BU
- Ferrules, 100 pcs. each of:
 - Al 0,75-8 GY
 - Al 1-8 RD
 - Al 1,5-8 BK
- Screwdriver for slotted-head screws, SZF 1-0,6X3,5



CRIMPSET 6

Order No. 1202072

Assortment box, metal

Consisting of:

- Ferrules according to DIN 46228-4: 1990-09, CSA-certified
 - 500 pcs. each of:
 - Al 0,25-6 YE
 - Al 0,34-6 TQ
 - Al 0,5-8 WH
 - Al 0,75-8 GY
 - Al 1-8 RD
 - Al 1,5-8 BK
 - 300 pcs.:
 - Al 2,5-8 BU
 - 200 pcs.:
 - Al 4-10 GY
 - 100 pcs.:
 - Al 6-12 YE
- Stripping tool for cables and conductors up to 6 mm², QUICK WIREFOX 6
- Crimping pliers with integrated pressure lock for ferrules from 0.5 to 6 mm², front entry, CRIMPFOX 6T

CRIMPSET 6/25 LEER

1204041



CRIMPSET 25

Order No. 1202580

Assortment box, metal

Consisting of:

- Ferrules according to DIN 46228-4: 1990-09, CSA-certified
 - 300 pcs.:
 - Al 10-12 RD
 - 200 pcs.:
 - Al 16-12 BU
 - 100 pcs.:
 - Al 25-16 YE
- Stripping tool for dismantling cables from 4.5 to 40 mm Ø, WIREFOX-D 40
- Crimping pliers with integrated pressure lock for ferrules from 10 to 25 mm², lateral entry, CRIMPFOX 25R



AI SORTI BOX RD

Order No. 3202960

Assortment box, red

Consisting of:

- Ferrules according to DIN 46228-4, CSA-certified
 - 50 pcs. each of:
 - Al 0,5-8 WH, Al 2,5-8 BU
 - 100 pcs. each of:
 - Al 0,75-8 GY, Al 1-8 RD, Al 1,5-8 BK

For further assortment boxes, see www.phoenixcontact.net/products

- AI-TWIN SORTI BOX BU 3202986
- AI-TWIN SORTI BOX GY 3202999
- AI SORTI BOX ANT 3202973

Tool sets

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



Type	Order No.	TOOL-CASE	1212629
Tool case, lockable, with adjustable strap, equipped with each of the following tools:		CUTFOX 12	Cable cutter for copper and aluminum conductors up to 12 mm in diameter (up to 35 mm ²)
		CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested
		MICROFOX-SB	Electronic diagonal cutter
		WIREFOX 10	Stripping pliers, for stripping conductors up to 10 mm ²
		WIREFOX-D 13	Stripping tool, for dismantling cables from 8 to 13 mm
		WIREFOX-D 28	Stripping tool, for dismantling cables from 8 to 28 mm
		WIREFOX-D 11	Stripping tool for dismantling signal, control, and fiberglass cables up to 11 mm, insulation thickness of up to 1 mm
		CRIMPFOX-M SET	Crimping pliers set for ferrules and insulated and uninsulated cable lugs
		CRIMPFOX-M RCI 6/DIE	Die, for CRIMPFOX-M, for uninsulated cable lugs, stackable storage box
		UNIFOX-C VDE	Combination pliers, VDE version
		UNIFOX-P VDE	Needle-nose pliers, VDE version
		UNIFOX-WP	Water pump pliers
		SZS 0,4x2,5 VDE	Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm, VDE version
		SZS 0,5x3,0 VDE	Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm, VDE version
		SZS 1,0x4,0 VDE	Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm, VDE version
		SZS 1,0x6,5 VDE	Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm, VDE version
		SZK PH0 VDE	Screwdriver, for Phillips Recess screws, size: 0, VDE version
		SZK PH1 VDE	Screwdriver, for Phillips Recess screws, size: 1, VDE version
		SZK PH2 VDE	Screwdriver, for Phillips Recess screws, size: 2, VDE version
		DUSPOL EXPERT	Voltage tester, for DC and AC voltages from 12 V to 1000 V AC/1100 V DC, IP65
		USS 4	Control cabinet key, metal, for all common control cabinets
		AI SORTI BOX RD	Assortment box, with ferrules, 50 pcs. each of: AI 0,5-8 WH, AI 2,5-8 BU; 100 pcs. each of: AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK
		AI-TWIN SORTI BOX BU	Assortment box, with TWIN ferrules, 50 pcs. each of: AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x 1,5-8 BK; 25 pcs. each of: AI-TWIN 2x2,5-10 BU
		Cutting knife	With segment blade
		Measuring tape	5 m
		TOOL-CASE EMPTY	Tool case, lockable, with elasticated straps to hold tools in place, empty, 1212628



Type	Order No.	TOOL-KIT STANDARD	1212422
Set for cutting, stripping, crimping, and screwing, consisting of:		CUTFOX 18	Front cable cutter for copper and aluminum up to 18 mm in diameter (up to 50 mm ²)
		WIREFOX-D 40	Dismantling tool for dismantling cables 4.5 - 40 mm in diameter, insulation thickness of up to 4.5 mm
		WIREFOX 10	Stripping pliers for stripping cables and conductors from 0.02 to 10 mm ²
		CRIMPFOX 6S-F	Crimping pliers for ferrules with self-adjusting die, front conductor entry, and unlockable pressure lock
		SZF 1-0,6x3,5	Screwdriver
		TOOL-KIT STANDARD EMPTY	Tool kit, empty, 1212423

Tool sets

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



Type	Order No.	TOOL-WRAP	1212505	TOOL-WRAP 2	1200100
Tool wrap, equipped with each of the following tools:		CUTFOX 16 VDE	Cable cutter for copper and aluminum conductors, VDE-tested	CRIMPFOX CENTRUS 6H	
		CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested	CUTFOX 18	
		PROFIPOL	Voltage tester, for DC and AC voltages from 6 V to 400 V, IP65	WIREFOX 10	
		SZK PH0	Screwdriver, for Phillips Recess screws, size: 0	WIREFOX 16-1	
		SZK PH1	Screwdriver, for Phillips Recess screws, size: 1	WIREFOX D40	
		SZK PH2	Screwdriver, for Phillips Recess screws, size: 2	Tool set SF-SL/PH/PZ-SL SET S-VDE	
		SZS 0,4X2,5	Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm		
		SZS 0,5X3,0	Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm		
		SZS 1,0X4,0	Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm		
		SZS 1,0X6,5	Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm		
		UNIFOX-C VDE	Combination pliers, VDE version		
		UNIFOX-P VDE	Needle-nose pliers, VDE version		
		TOOL-WRAP EMPTY	Tool wrap, empty, 1212501		



Type	Order No.	TOOL-BAG	1212504
Tool bag, with laptop and document compartments, equipped with each of the following tools:		AI SORTI BOX RD	Assortment box, with ferrules, 50 pcs. each of: AI 0,5-8 WH, AI 2,5-8 BU; 100 pcs. each of: AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK
		CRIMPFOX-M SET	Crimping pliers set for ferrules and insulated and uninsulated cable lugs
		CUTFOX 25 VDE	Cable cutter for copper and aluminum conductors, VDE-tested
		CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested
		DUSPOL EXPERT	Voltage tester, for DC and AC voltages from 12 V to 1000 V AC/1100 V DC, IP65
		SZK PH0	Screwdriver, for Phillips Recess screws, size: 0
		SZK PH1	Screwdriver, for Phillips Recess screws, size: 1
		SZK PH2	Screwdriver, for Phillips Recess screws, size: 2
		SZS 0,4X2,5	Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm
		SZS 0,5X3,0	Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm
		SZS 1,0X4,0	Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm
		SZS 1,0X6,5	Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm
		UNIFOX-C VDE	Combination pliers, VDE version
		UNIFOX-P VDE	Needle-nose pliers, VDE version
		UNIFOX-WP	Water pump pliers
		USS 4	Control cabinet key, metal, for all common control cabinets
		WIREFOX 10	Stripping tool, for cables and conductors from 4 to 16 mm², stripping length up to 18 mm
		WIREFOX-D 40	Stripping tool, for dismantling cables from 4.5 mm to 40 mm, insulation thickness of up to 4.5 mm
		Cutting knife	With segment blade
		Measuring tape	5 m
		TOOL-BAG EMPTY	Tool bag, with document and laptop compartments, empty, 1212500

Tool sets

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



Type	Order No.	TOOL-CARRIER	1212503
Tool bag, equipped with each of the following tools:		CRIMPFOX-M	Basic pliers, for accommodating dies for various contact types
		CRIMPFOX-M 10/DIE	Die, for CRIMPFOX-M, for 0.25 - 10 mm ² ferrules, stackable storage box
		CUTFOX 18	Cable cutter for copper and aluminum conductors
		CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested
		PROFIPOL	Voltage tester, for DC and AC voltages from 6 V to 400 V, IP65
		SZK PH0	Screwdriver, for Phillips Recess screws, size: 0
		SZK PH1	Screwdriver, for Phillips Recess screws, size: 1
		SZK PH2	Screwdriver, for Phillips Recess screws, size: 2
		SZS 0,4X2,5	Screwdriver, bladed, blade: 0.4 x 2.5 x 80 mm, length: 161 mm
		SZS 0,5X3,0	Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm
		SZS 1,0X4,0	Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm
		SZS 1,0X6,5	Screwdriver, bladed, blade: 1.0 x 6.5 x 150 mm, length: 248 mm
		UNIFOX-CE VDE	Combination pliers, angled, VDE version
		UNIFOX-P VDE	Needle-nose pliers, VDE version
		UNIFOX-WP	Water pump pliers
		USS 4	Control cabinet key, metal, for all common control cabinets
		WIREFOX 10 VDE	Stripping pliers, for stripping conductors up to 10 mm ²
		WIREFOX-D 13	Stripping tool, for dismantling cables from 8 to 13 mm
		WIREFOX-D 28	Stripping tool, for dismantling cables from 8 to 28 mm
		Cutting knife	With segment blade
		Measuring tape	5 m
		TOOL-CARRIER EMPTY	Tool bag, empty, 1212499



Type	Order No.	TOOL-BELTPOUCH	1212506
Tool belt pouch, equipped with each of the following tools:		CUTFOX 18	Cable cutter for copper and aluminum conductors up to 18 mm in diameter (up to 50 mm ²)
		CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested
		PROFIPOL	Voltage tester, for DC and AC voltages from 6 V to 400 V, IP65
		SZK PH1	Screwdriver, for Phillips Recess screws, size: 1
		SZK PH2	Screwdriver, for Phillips Recess screws, size: 2
		SZS 0,5X3,0	Screwdriver, bladed, blade: 0.5 x 3.0 x 100 mm, length: 181 mm
		SZS 1,0X4,0	Screwdriver, bladed, blade: 1.0 x 4.0 x 100 mm, length: 198 mm
		SZS 1,0X5,5	Screwdriver, bladed, blade: 1.0 x 5.5 x 125 mm, length: 223 mm
		UNIFOX-CE VDE	Combination pliers, angled, VDE version
		USS 4	Control cabinet key, metal, for all common control cabinets
		WIREFOX-D 13	Stripping tool, for dismantling cables from 8 to 13 mm
		Cutting knife	With segment blade
		Measuring tape	5 m
		TOOL-BELTPOUCH EMPTY	Tool-belt pouch, empty, 1212502

SCREWFOX

Screwdrivers and torque screwdrivers

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

This is particularly true of the products in our modular terminal block range.

Ergonomically designed handles mean that the required torque is transferred with a reasonable amount of force. Adjustable torque and cordless screwdrivers complete the product range.

Ergonomic and durable

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

- Durable specially hardened and tempered drives
- High torque transmission with special two-component handle geometry
- Solid, high-quality components and raw materials



Maximum force transmission

Two-component, ergonomically designed handles ensure an optimum grip and help avoid fatigue when working.



Precise torque

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



SF-M set

Bit screwdriver set with quick-action chuck



SCREWFOX screwdriver tools

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

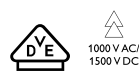
In addition to their standard application, the SZF series screwdrivers are also ideal for actuating modular terminal blocks from the ST... and QTC... series.



Type	Order No.	Uninsulated	Insulated	
Blade: 0.4 x 2.5 x 75 mm, length: 156 mm		SZF 0-0,4X2,5 1204504		
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm		SZF 1-0,6X3,5 1204517	SZS 0,6X3,5 1205053	ST-BW 1207608 ST-BW 0 1200135
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm		SZF 2-0,8X4,0 1204520		Spin Top
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm		SZF 3-1,0X5,5 1206612		SZS 0,4X2,0 1205202

VDE screwdrivers, slender design

Because the insulation runs into the shaft, there is no protruding edge. This means that even deeper-lying screws can be reached with ease.



Type	Order No.			
		SF-SL 0,6X3,5-100 S VDE 1212587	SF-PZ1-80 S VDE 1212695	SF-PZSL 1-80 S VDE 1212699
		SF-SL 0,8X4,0-100 S VDE 1212588	SF-PZ2-100 S VDE 1212696	SF-PZSL 2-100 S VDE 1212700
		SF-SL 1,0X5,5-125 S VDE 1212589	SF-PH1-80 S VDE 1212693	SF-PHSL 1-80 S VDE 1212697
			SF-PH2-100 S VDE 1212694	SF-PHSL 2-100 S VDE 1212698

Bladed screwdrivers, VDE bladed screwdrivers

The blades of Phoenix Contact screwdrivers have a large bearing surface in the screw head. This is the only way to achieve the required torque.



Type	Order No.	Insulated	Uninsulated	
		SZS 0,4X2,5 1205037	SF-SL 0,4X2,0-60 1212546	SF-SLIC 1,2X7,0-125 1212554
		SZS 0,5X3,0 1207404	SF-SL 0,4X2,5-75 1212547	SF-SLIC 1,6X10,0-175 1212555
		SZS 0,6X2,5 1205040	SF-SL 0,5X3,0-80 1212548	
		SZS 0,6X3,5 1212602	SF-SL 0,6X3,5-100 1212549	
		SZS 0,8X4,0 1212508	SF-SL 0,6X3,5-200 1212550	
		SZS 1,0X4,0 1205066	SF-SL 0,8X4,0-100 1212551	
		SZS 1,0X5,5 1209114	SF-SL 1,0X5,5-150 1212552	
		SZS 1,0X6,5 1205079	SF-SL 1,2X6,5-150 1212553	
		SZS 1,2X8,0 1205082		

VDE crosshead screwdrivers with Phillips and Pozidriv drive

The VDE-insulated screwdrivers for Phillips screws are available as Pozidriv/Supadriv and Phillips Recess versions.



Type	Order No.		
Size: PZ/PH0 x 80 mm, length: 161 mm		SZK PZ0 1206447	SZK PH0 1205147
Size: PZ/PH1 x 80 mm, length: 161 mm		SZK PZ1 1206450	SZK PH1 1205150
Size: PZ/PH2 x 100 mm, length: 205 mm		SZK PZ2 1206463	SZK PH2 1205163
Size: PZ/PH3 x 150 mm, length: 262 mm		SZK PZ3 1212599	SZK PH3 1212536

SCREWFOX screwdriver tools

Crosshead screwdrivers with Phillips and Pozidriv drive

				
				
Type	Order No.			
Size: PZ/PH0 x 60 mm, length: 141 mm	SF-PZ 0-60	1212562	SF-PH 0-60	1212558
Size: PZ/PH1 x 80 mm, length: 178 mm	SF-PZ 1-80	1212563	SF-PH 1-80	1212559
Size: PZ/PH2 x 100 mm, length: 205 mm	SF-PZ 2-100	1212564	SF-PH 2-100	1212560
Size: PZ/PH3 x 150 mm, length: 262 mm	SF-PZ 3-150	1212565	SF-PH 3-150	1212561

VDE screwdrivers with plus/minus drive and for test socket screws

The SZG... screwdrivers have been specially designed for driving in test socket screws with a diameter of 2.3 and 4 mm safely and without slipping.

										
										
Type	Order No.									
Blade: 0.6 x 3.5 x 100 mm, length: 198 mm	SF-PZSL 1-80	1212556	SF-PHSL 1-80	1212283	SZG 0,6X3,5	1205121				
Blade: 0.9 x 6.5 x 175 mm, length: 287 mm	SF-PZSL 2-100	1212557	SF-PHSL 2-100	1212288	SZG 0,9X6,5	1205134				

Hexagonal socket wrenches and screwdrivers

Socket wrenches for tightening hexagonal screws and nuts. Two-component, ergonomically designed handles ensure an optimum grip. The Allen key set is a 9-piece set from 1.5 to 10 mm.

				
				
Type	Order No.	Hexagonal socket wrench	Allen key set	
Wrench size: 5.0 mm			SF-LHEX SET	1212544
Wrench size: 5.5 mm	SHN 5.5	1209855		
Wrench size: 6.0 mm			Torxd SET, TX 8-40	
Wrench size: 8.0 mm	SHN 8	1209868	SF-LTX SET	1200162
Wrench size: 13 mm	SHN 13	1209923		
				
				
Type	Order No.	Allen key		
Size: 2 x 100 mm	SF-THEX 2-100	1212637		
Size: 2.5 x 100 mm	SF-THEX 2,5-100	1212638		
Size: 3 x 100 mm	SF-THEX 3-100	1212639		
Size: 4 x 150 mm	SF-THEX 4-150	1212640		
Size: 5 x 150 mm	SF-THEX 5-150	1212641		
Size: 6 x 200 mm	SF-THEX 6-200	1212642		
Size: 8 x 200 mm	SF-THEX 8-200	1212643		
Size: 10 x 200 mm	SF-THEX 10-200	1212644		

SCREWFOX screwdriver tools

Torque screwdrivers with hexagonal fast-connection holder

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



Type	Order No.	TSD-M 1,2NM	1212224	TSD-M 3NM	1212225	TSD-M 6NM	1212226
Torque		0.3 - 1.2 Nm		1.2 - 3.0 Nm		3.0 - 6.0 Nm	

Accessories

Adapter insert	TSD-M SAC-BIT ADAPTER	1212600		
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This bit screwdriver with 1/4 inch quick-action chuck and 119 mm long handle is suitable for bits according to DIN 3126-C 6.3 and E 6.3/ISO 1173.



Type	Order No.	S-M BH	1212070	
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Newton meters-to-inch-pounds conversion chart

Newton meters	Inch pounds	Newton meters	Inch pounds
0.2	1.77	5.0	44.25
0.3	2.65	5.5	48.67
0.4	3.54	6.0	53.10
0.5	4.42	6.5	57.52
0.6	5.31	7.0	61.95
0.7	6.19	7.5	66.38
0.8	7.08	8.0	70.80
0.9	7.96	8.5	75.23
1.0	8.85	9.0	79.65
1.2	10.62	9.5	84.08
1.3	11.50	10.0	88.50
1.4	12.39	10.5	92.93
1.5	13.27	11.0	97.35
1.6	14.16	11.5	101.78
1.7	15.04	12.0	106.20
1.8	15.93	12.5	110.63
1.9	16.81	13.0	115.05
2.0	17.70	13.5	119.48
2.2	19.47	14.0	123.91
2.3	20.35	14.5	128.33
2.4	21.24	15.0	132.76
2.5	22.12	15.5	137.18
2.6	23.01	16.0	141.61
2.7	23.89	16.5	146.03
2.8	24.78	17.0	150.46
2.9	25.66	17.5	154.88
3.0	26.55	18.0	159.31
3.2	28.32	18.5	163.73
3.3	29.20	19.0	168.16
3.4	30.09	19.5	172.58
3.5	30.97	20.0	177.01
4.0	35.40	25.0	221.26
4.5	39.82	30.0	265.52

SCREWFOX screwdriver tools

Tool bits for cordless screwdriver and bit handle

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



Type	Order No.		
	SF-UBH	1212590	
		Size: 0.45 x 2.4 x 70 mm	SF-BIT-SL 0,45X2,4-70 1212607
		Size: 0.5 x 3.0 x 50 mm	SF-BIT-SL 0,5X3,0-50 1212566
		Size: 0.5 x 3.0 x 70 mm	SF-BIT-SL 0,5X3,0-70 1212567
		Size: 0.6 x 3.5 x 50 mm	SF-BIT-SL 0,6X3,5-50 1212568
		Size: 0.6 x 3.5 x 70 mm	SF-BIT-SL 0,6X3,5-70 1212569
		Size: 0.8 x 4.0 x 50 mm	SF-BIT-SL 0,8X4,0-50 1212571
		Size: 0.8 x 4.0 x 70 mm	SF-BIT-SL 0,8X4,0-70 1212572
		Size: 1.0 x 4.0 x 70 mm	SF-BIT 1,0X4,0-70 1212754
		Size: 1.0 x 5.5 x 50 mm	SF-BIT-SL 1,0X5,5-50 1212574
		Size: 1.0 x 5.5 x 70 mm	SF-BIT-SL 1,0X5,5-70 1212575
		Size: 1.2 x 6.5 x 70 mm	SF-BIT-SL 1,2X6,5-70 1212577



Type	Order No.		
Size: 0.6 x 3.5 x 50 mm for test sockets	SF-BIT-SLS 0,6X3,5-50	1212605	
Size: 0.9 x 6.5 x 50 mm for test sockets	SF-BIT-SLS 0,9X6,5-50	1212606	
Size: PH/PZ 1 x 50 mm		SF-BIT-PH 1-50	1212579
Size: PH/PZ 2 x 50 mm		SF-BIT-PH 2-50	1212580
Size: PH/PZ 3 x 50 mm		SF-BIT-PH 3-50	1212581
Size: PH/PZ 1 x 70 mm		SF-BIT-PH 1-70	1212582
Size: PH/PZ 2 x 70 mm		SF-BIT-PH 2-70	1212583
Size: PH/PZ 3 x 70 mm		SF-BIT-PH 3-70	1212584
		SF-BIT-PZ 1-50	1212591
		SF-BIT-PZ 2-50	1212592
		SF-BIT-PZ 3-50	1212593
		SF-BIT-PZ 1-70	1212594
		SF-BIT-PZ 2-70	1212595
		SF-BIT-PZ 3-70	1212596

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



Type	Order No.		
Size: 1 x 70 mm	SF-BIT-PHSL 1-70	1212479	SF-BIT-PZSL 1-70 1212603
Size: 2 x 70 mm	SF-BIT-PHSL 2-70	1212601	SF-BIT-PZSL 2-70 1212604



Type	Order No.		
Size: 2 x 50 mm		SF-BIT-HEX 2-50	1212645
Size: 2.5 x 50 mm		SF-BIT-HEX 2,5-50	1212646
Size: 3 x 50 mm		SF-BIT-HEX 3-50	1212647
Size: 4 x 50 mm		SF-BIT-HEX 4-50	1212648
Size: 5 x 50 mm		SF-BIT-HEX 5-50	1212649
Size: 6 x 50 mm		SF-BIT-HEX 6-50	1212650
Size: 8 x 50 mm	SF-BIT-TX 8-50	1212570	SF-BIT-HEX 8-50 1212651
Size: 10 x 50 mm	SF-BIT-TX 10-50	1212573	
Size: 15 x 50 mm	SF-BIT-TX 15-50	1212576	
Size: 20 x 50 mm	SF-BIT-TX 20-50	1212578	
Size: 25 x 50 mm	SF-BIT-TX 25-50	1212585	
Size: 30 x 50 mm	SF-BIT-TX 30-50	1212586	

SCREWFOX screwdriver tools

Hexagonal torque screwdriver with preset torque

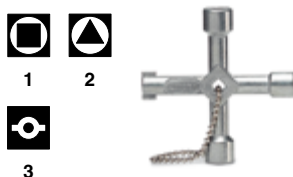
The preset 4 mm hexagonal torque screwdrivers are ideal for tightening pressure nuts and sensor/actuator cables of distributor boxes from the PLUSCON product range.



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

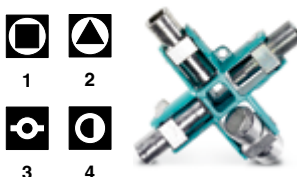
Control cabinet keys

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



Type	Order No.	USS 4	1203149
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Universal control cabinet key with strong chain and snap hook for nine closures: 5, 6, 7 - 8, 9 - 10 mm square, 7, 8 - 9, 10 - 11 mm triangle, 3 - 5 mm two-way key bit, 6 mm semicircle



Type	Order No.	SF-CCK 9	1212525
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Socket sets

The set includes: 1/4 inch socket set, 47-piece, 1/4 inch reversible ratchet, 48 teeth with fast-locking system, 50 mm and 100 mm 1/4 inch extensions, 1/4 inch screwdriver handle, 150 mm 1/4 inch flexible extension, 1/4 inch Cardan joint, 1/4 inch T-handle, 2 x 1/4 inch bit adapter, 13 knurled 1/4 inch 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.



Type	Order No.	SF-SOCKET SET 47	1200292
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SCREWFOX screwdriver tools

Screwdriver and bit sets



Type	Order No.	Type	Order No.	Type	Order No.
Screwdriver set , slotted/crosshead Phillips Recess®, 6-piece, incl. rack, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PH 1, PH 2		Bit set , with SF-UBH universal bit holder 25 mm long slotted/crosshead (PZ and PH) bits, 10-piece		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	
SF-SL/PH SET	1212541	SF-BIT SET	1212545	SF-M SET	1212543
Screwdriver set , slotted/crosshead Pozidriv®, 6-piece, incl. rack, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PZ 1, PZ 2		Cordless screwdriver bit set , 1 nut each in 5.5 mm, 8 mm, 13 mm, adapter to quarter inch.		Bit screwdriver set with quick-action chuck , 89 mm long slotted/crosshead (PH)/hex/Torx® bits, 17-piece, in folding belt pouch, contents: PH 1, 2, 3 x 89, SL 4 x 2.5, 6 x 3.5, 8 x 3.5, 1.0 x 5.5, 1.2 x 6.5, TX 10 - 25 x 89, SW 3,4,5 x 89	
SF-SL/PZ SET	1212542	ASD BIT SET HN	1209952	SF-M SET 2	1212756
Screwdriver set , slotted/crosshead Pozidriv® VDE-insulated, 6-piece, incl. rack, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PZ 1, PZ 2					
SF-SL/PZ SET VDE	1212540				
Screwdriver set , slotted/crosshead Phillips Recess®, VDE-insulated, 6-piece, incl. rack, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH 1, PH 2					
SF-SL/PH SET VDE	1212539				
Screwdriver set , protective insulation integrated in the shaft, slotted/crosshead Phillips/combined profile, Pozidriv® + slotted (plus/minus), VDE-insulated, 7-piece, incl. rack, contents: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZ1 x 80; PZ2 x 100					
SF-SL/PH/PZ-SL SET S-VDE	1212701				
Screwdriver set , Torx® with drill bit, 6-piece, incl. rack, contents: TX 8 x 60; TX 10 x 80; TX 15 x 80; TX 20 x 100; TX 25 x 100; TX 30 x 115					
SF-THX SET	1212538				
Screwdriver set , Torx®, VDE-insulated, 6-piece, incl. rack, contents: TX 8 x 80; TX 10 x 80; TX 15 x 80; TX 20 x 80; TX 25 x 100; TX 30 x 100					
SF-TX SET VDE	1212537				

Tooling accessories



Type	Order No.
Measuring tape 5M I/M	1200304

The versatile cordless torque screwdriver

The SF ASD 16, a versatile, battery-powered torque screwdriver, can be used in a straight or angled position with 32 torque settings, 16 on low and 16 on high. The screwdriver is suitable for various work spaces and applications requiring a torque within the range of 1.06 to 38.32 inchpounds (.12 – 4.33 Nm). This well-balanced unit uses a lithium-ion battery with a short one-hour charge time and offers ergonomic, one-handed, reliable operation.



SF-ASD 16: The torque screwdriver with flexibility



Two positions

Use the cordless screwdriver in a straight or angled position, and then adjust it to the specific application.



Bits for every application

With a large selection of different bits, the SF-ASD 16 is the right tool for the widest range of screw applications.



Two speeds

You can conveniently switch between the two speeds of the cordless screwdriver via a switch on the upper side.



Easy direction change

Change the direction of rotation conveniently via the toggle switch on the handle of the cordless screwdriver.



Adjustable torque

The 32-stage (16 in low, 16 in high) adaptability ensures reliable, convenient torque settings.



Secure lock function

A switch on the handle of the SF-ASD 16 guarantees that the cordless screwdriver is activated only when you want to use it.

 Web code: #1758				
Description	Cordless screwdriver set	Cordless screwdriver	Charger	Battery
Type	SF-ASD 16 SET	SF-ASD 16	SF-ASD 16/CHARGER	SF-ASD 16/ACCU 1,5 AH
Order No.	1200295	1200294	1200296	1200297



Torque-adjustment ring inch-pounds*																
Setting	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Symbol
Speed 1 (RPM 220)	1.15	1.86	2.48	3.19	3.89	4.60	5.31	6.02	6.64	7.35	8.05	0.99	9.47	10.27	11.06	38.32
Speed 2 (RPM 450)	1.06	1.86	2.57	3.36	4.16	4.96	5.75	6.55	7.26	8.05	8.85	9.65	10.44	11.33	12.21	24.25
Torque-adjustment ring Newton meter*																
Setting	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Symbol
Speed 1 (RPM 220)	0.13	0.21	0.28	0.36	0.44	0.52	0.60	0.68	0.75	0.83	0.91	0.99	1.07	1.16	1.25	4.33
Speed 2 (RPM 450)	0.12	0.21	0.29	0.38	0.47	0.56	0.65	0.74	0.82	0.91	1.00	1.09	1.18	1.28	1.38	2.74

* Depending on how the operator uses the cordless screwdriver, the tolerance could be up to +/-20 percent.

MICROFOX

Electronics pliers

MICROFOX – the range of pliers for all tasks in electronics and electromechanical engineering. Ideal for working on hard-to-access areas such as PCB components. Like all Phoenix Contact hand tools, the micro pliers have specially shaped two-component handles. This ensures a secure grip and makes for easy work. To protect sensitive electronic components, we recommend the ESD versions with special handles. They discharge the electrostatic charges in a controlled manner in accordance with applicable standards and regulations.

Precise and convenient

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

- Protect electronic components with the ESD design
- Ultra-precision: low tolerances during production
- Durable, high-quality components and raw materials



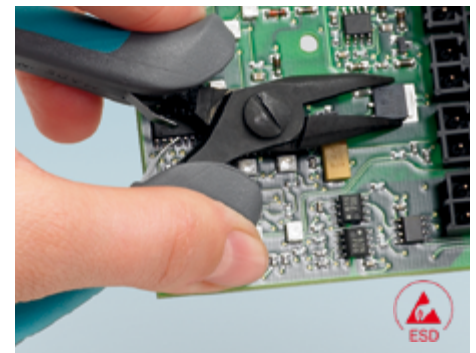
Durable

The tools are made from special C 60 tool steel. They are hardened and precision-ground for superior cutting performance and are particularly durable.



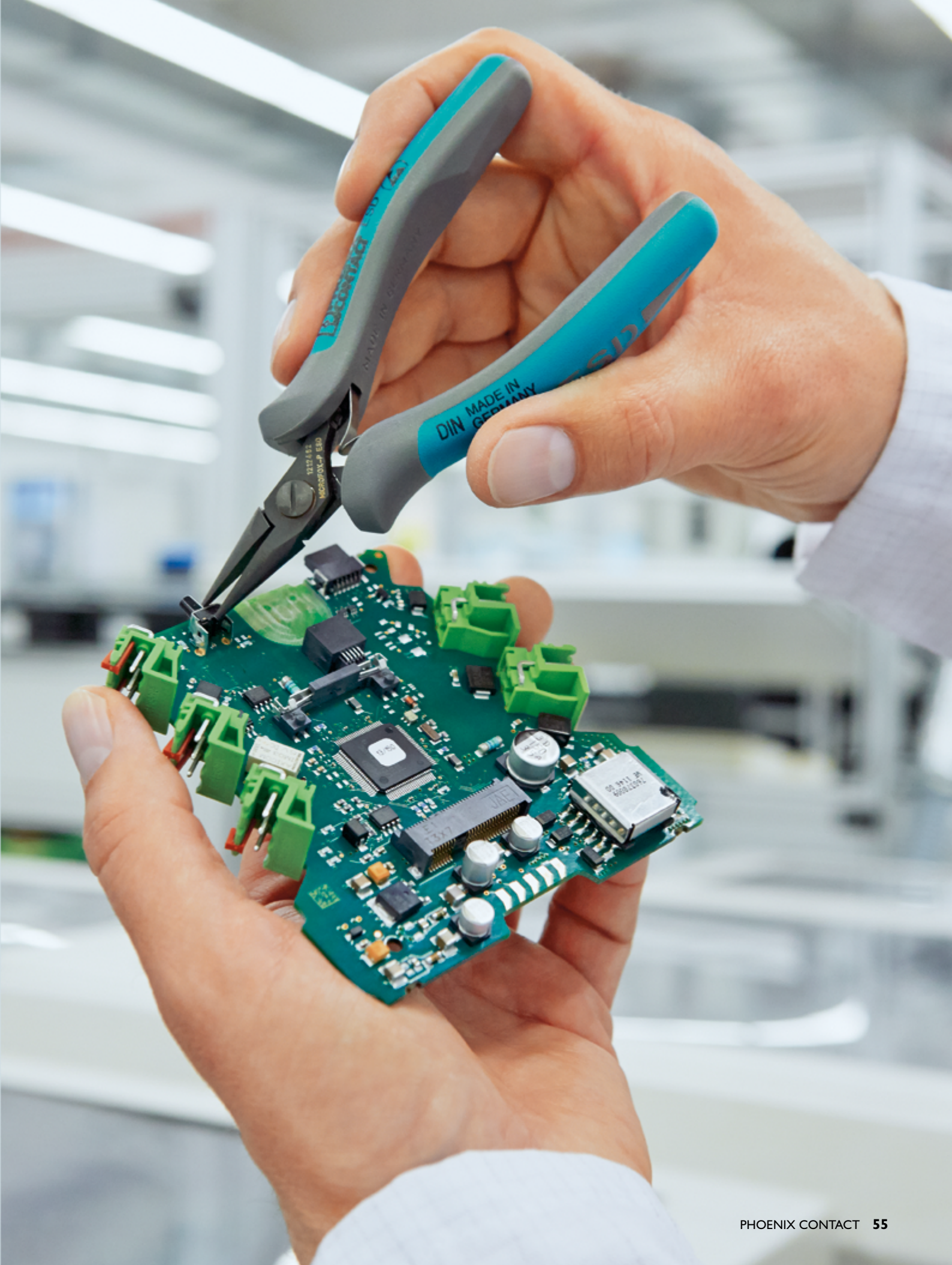
Precision

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



Protection

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



MICROFOX electronics pliers

Electronics pliers										
MICROFOX electronics pliers feature a through-connected joint for permanent stability and optimum distribution of force. The surfaces are finely polished and oiled.										
Type	Order No.	MICROFOX-SB 1212489			MICROFOX-E 1212494			MICROFOX-P 1212491		
Description		Diagonal cutter			Front cutter			Needle-nose pliers		
		Rounded head with chamfer			No chamfer			Smooth gripping surface		
										
Type	Order No.	MICROFOX-SP 1212488			MICROFOX-SP-1 1212487			MICROFOX-EO 1212495		
Description		Diagonal cutter, angled			Diagonal cutter			Front cutter		
		Tapered head without chamfer			Tapered head without chamfer			20° angle, no chamfer		
										
Type	Order No.	MICROFOX-PC 1212492			MICROFOX-F 1212493			MICROFOX-R 1212490		
Description		Needle-nose pliers			Flat-nose pliers			Round-nose pliers		
		45° angle, smooth gripping surface			Smooth gripping surface			Smooth gripping surface		

MICROFOX electronics pliers

ESD electronics pliers				
The MICROFOX ESD electronics pliers conform to applicable standards and regulations including DIN EN 61340-5. The screwed precision joint ensures optimum results. The metal surfaces are mirror-polished and then phosphate-treated to ensure that there is no glare when working.				
Type	Order No.	MICROFOX-S ESD 1212480	MICROFOX-E ESD 1212794	MICROFOX-P ESD 1212799
Description		Diagonal cutter Rounded head, no chamfer	Front cutter No chamfer	Needle-nose pliers Smooth gripping surface
				
Type	Order No.	MICROFOX-PC ESD 1212801	MICROFOX-F ESD 1212484	MICROFOX-R ESD 1212481
Description		Needle-nose pliers Smooth gripping surface. 45° angle	Flat-nose pliers Smooth gripping surface	Round-nose pliers Smooth gripping surface

Cutting, stripping, and crimping devices

Automatic devices

Phoenix Contact offers a comprehensive range of innovative automatic tools that enable the flexible and fast processing of wires and cables. A combination of functionality, quality, and fast setup guarantees high levels of flexibility while ensuring consistent quality every time.



Automatic wire cutting
Reference page 59



Automatic wire stripping
Reference page 60



Automatic wire crimping
Reference page 61



Automatic wire stripping and
crimping
Reference page 62

Automatic devices

CUTFOX 10 wire cutting machine

The CUTFOX 10 cutting machine cuts a variety of wires and cables up to 8 AWG. Solid and stranded conductors can be cut to length with millimeter precision. The length and number of cuts are entered via the user-friendly display. The CUTFOX 10 automatically adapts to the diameter when there is a change in material. Simply open the front cover to insert the wire, close the cover and it is ready to go.

A user video is available for download from the Internet.



CUTFOX 10			
Type	Order No.		
Cutting machine, 100 - 240 V, 50 - 60 Hz version		CUTFOX 10	1206829
Technical data			
Stranded wire	[mm²]	0.25 – 10 / 22-8 AWG	
Solid wire	[mm²]	0.25 – 2.5 / 22-14 AWG	
Maximum number of cuts	[pcs.]	999	
Maximum length	[m]	Up to 100	
Unit of measurement		mm/inch	
Accessories, cutting machine			
Replacement drive wheels		CF-10 WHEEL SET	1207271
2 pcs., for CUTFOX 10			
Replacement blade set		CF-10 CUTTER KNIFE SET	1207284
For CUTFOX 10			

Automatic devices

WF 1000 wire stripping machine

The compact WF 1000 wire stripping machine is suitable for automatically stripping wires 28-10 AWG, with the option of partial stripping. This device is particularly suitable for special types of insulation, such as PTFE and silicone. The clamping force automatically adjusts itself to the required extraction force. This prevents unsightly pressure points on the sensitive materials. The large, clear integrated graphic display on top of the device makes it easy to select the right settings via individual knobs.

A user video is available for download from the Internet.



WF 1000

Type	Order No.		
Stripping machine, 120 V version		WF 1000 120 V	1212258
Technical data			
Stranded wire	[mm ²]	28-10 AWG	
Stripping length	[mm]	3 – 20	
Partial stripping length	[mm]	2 – 20	
Accessories			
Replacement stripping blade		WF 1000/SB	1212279

Automatic devices

ZAP pneumatic crimping pliers

The ZAP crimping pliers are pneumatic pliers for ferrules 24-8 AWG. The ZAPs have a Duo-Press die, allowing both front and side entry. The crimping process is activated by a manual trigger, or a foot pedal, depending on which version is chosen. The T versions are designed to sit on a workbench and have two ferrule holding areas integrated into the design.



ZAP...



ZAP... T

ZAP 25 / ZAP 40 / ZAP 100

Manual trigger handles

Type	Order No.			
Pneumatic crimping pliers		ZAP 25	1203110	ZAP 40 1212630 ZAP 100 1203259
Technical data				
Conductor	[mm ²] / AWG	0.25 – 2.5 / 24 – 14	0.25 – 4 / 24 – 12	4 – 10 / 12 – 8
Pressure range	[bar]	4 – 6	4 – 6	4 – 6
Air consumption per compression	[l]	0.2	0.2	0.2
Crimping		Trapezoidal	Trapezoidal	Trapezoidal

ZAP 25 T / ZAP 100 T

Foot pedal activated

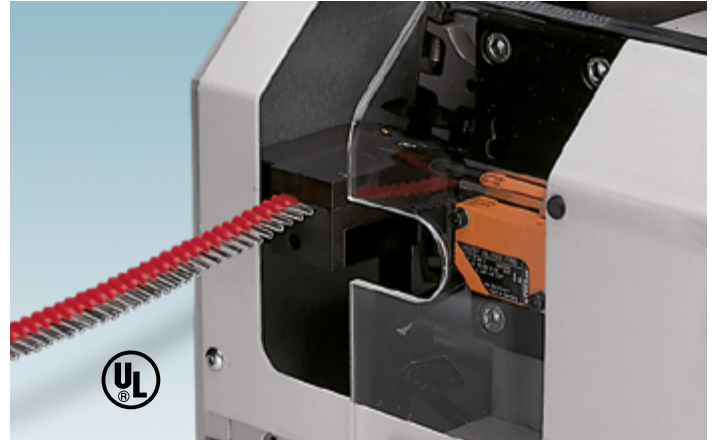
Type	Order No.		
Pneumatic crimping pliers		ZAP 25 T 1203123	ZAP 100 T 1203262
Technical data			
Conductor	[mm ²] / AWG	0.25 – 2.5 / 24 – 14	4 – 10 / 12 – 8
Pressure range	[bar]	4 – 6	4 – 6
Air consumption per compression	[l]	0.2	0.2
Crimping		Trapezoidal	Trapezoidal

Automatic devices

CF 3000 wire stripping and crimping device

The CF3000-2,5 120V wire stripping and ferrule crimping device processes taped ferrules with insulating collars from 22-14 AWG. The wire is stripped and then fitted with a ferrule in a single step. The automatic device can be adapted to various wire gauge ranges in under a minute.

A user video is available for download from the Internet.



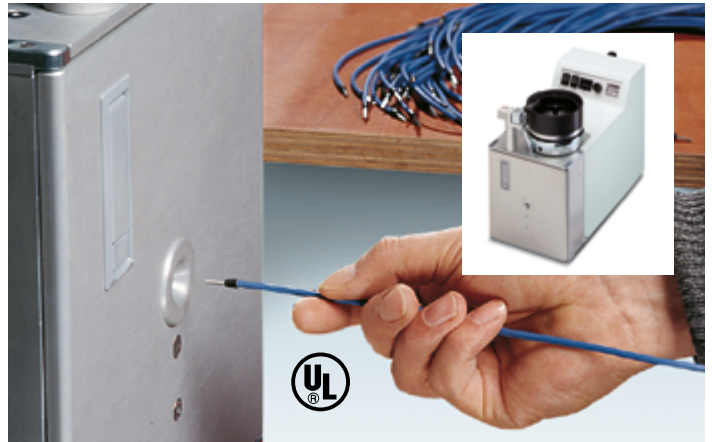
CF 3000

Type	Order No.		
Stripping and crimping device, 120 V version		CF 3000-2,5 120V	1205516
Taped ferrules, 22-14 AWG, stripping length: 8 mm			
Includes conversion kits for 20-14 AWG			
Technical data			
Conductor	[mm ²] / AWG	0,25 – 2,5 / 22 – 14	
Crimp profile		Trapezoidal	
Accessories			
Conversion kit for 22 AWG, 8 mm strip length		CF 3000-TOOLKIT 0,25	1212376
Replacement locator			
0.25/0.34 mm ²		CF 3000 LOC 0,25	1212377
0.5 mm ²		CF 3000 LOC 0,5	1205639
0.75 mm ²		CF 3000 LOC 0,75	1205642
1.0 mm ²		CF 3000 LOC 1,0	1205655
1.5 mm ²		CF 3000 LOC 1,5	1205668
2.5 mm ²		CF 3000 LOC 2,5	1205671
Replacement blade			
0.25/0.34 mm ² , adjustable		CF 3000 AB 0,25	1212380
0.5 mm ²		CF 3000 AM 0,5	1205587
0.75 mm ²		CF 3000 AM 0,75	1205590
1.0 mm ²		CF 3000 AM 1,0	1205600
1.5 mm ²		CF 3000 AM 1,5	1205613
2.5 mm ²		CF 3000 AM 2,5	1205626

Automatic devices

CF 1000 crimping device

The CF1000 stripping and crimping device can be used to process loose ferrules with insulating collars. Up to 1200 conductors can be processed in an hour using this device. The conductor is stripped and crimped with a ferrule to a high stand of quality in a single step. The unit is suitable for bulk processing with quick change of cross section without the need for additional adjustments. The unit is capable of various strip lengths and the option of stripping only. There are two different units, the CF1000-1,5 for 22-12 AWG and the CF1000-10 for 12, 10, and 8 AWG.



CF 1000

Type	Order No.	
Stripping and crimping device		
Electro-pneumatic, for loose ferrules with insulating collar	CF 1000-1,5	1208199
Includes conversion kits for 20-16 AWG	22-12 AWG	
Stripping and crimping device		
Electro-pneumatic, for loose ferrules with insulating collar	CF 1000-10	1212456
Without conversion kit	12, 10, 8 AWG	
Accessories		
Extension kit, for CF 1000-1,5, up to serial #160594		
22 AWG, stripping length: 6 mm	CF 1000-TOOLKIT 0,34/6	1208212
22 AWG, stripping length: 8 mm	CF 1000-TOOLKIT 0,34/8	1208225
14 AWG, stripping length: 8 mm	CF 1000-TOOLKIT 2,5/8	1208241
12 AWG, stripping length: 10 mm	CF 1000-TOOLKIT 4,0/10	1208270
Extension kit, for CF 1000-1,5, from serial number 160595		
22 AWG, stripping length: 6-8 mm	CF1000-TOOLKIT 0.34/6-8	1208226
14 AWG, stripping length: 6-12 mm	CF1000-TOOLKIT 2,5/6-12	1208242
12 AWG, stripping length: 10 mm	CF1000-TOOLKIT 4,0/10	1208271
Crimping jaws, for square crimp profile		
20-18 (0.75 mm ²) AWG, stripping length: 6-12 mm	CF 1000 PBSQ 0,75	1212912
18 (1.0 mm ²) - 16 AWG, stripping length: 6-12 mm	CF1000 PBSQ 1,5	1212913
14 AWG, stripping length: 6-12 mm	CF1000 PBSQ 2,5	1212914
Extension kit, for CF 1000-10, for loose ferrules with insulating collar		
12 AWG, stripping length: 10 - 12 mm	CF 1000-10-TOOLKIT 4/10-12	1212458
10 AWG, stripping length: 12 mm	CF 1000-10-TOOLKIT 6/12	1212459
8 AWG, stripping length: 12 mm	CF 1000-10-TOOLKIT 10/12	1212460
Protective feeding bowl cover	CF 1000-COVER	1208306

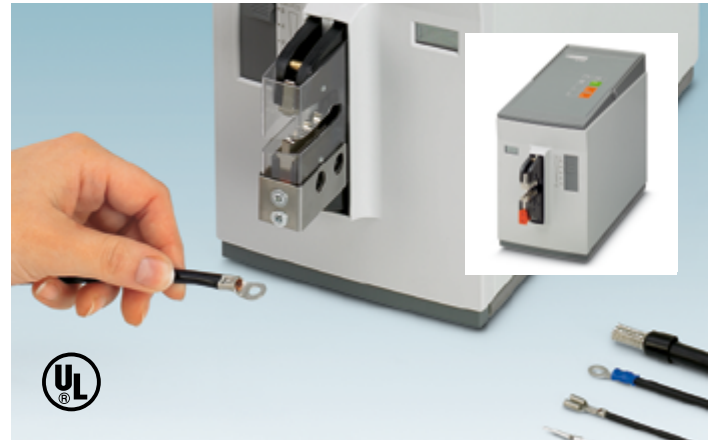
Automatic devices

CF 500 crimping device

The compact CF 500 crimping device is characterized by its high press capacity and the ease with which dies can be changed. With the large number of dies available, this device is an optimal solution for crimping.

- Ferrules up to 1/0 AWG
- TWIN ferrules up to 2 x 8 AWG
- Insulated cable lugs up to 10 AWG
- Uninsulated cable lugs up to 10 AWG
- Tubular cable lugs up to 8 AWG
- Slip-on sleeves and slip-on blade connectors up to 10 AWG
- Turned contacts up to 8 AWG
- Solar contacts 14, 12 and 10 AWG

Further dies are available on request or from the Phoenix Contact e-shop. A user video is available for download from the Internet.



CF 500

Type	Order No.		
Crimping device, 120 V version, with foot switch		CF 500-120 V	1208351
Accessories			
CF 500 die for			
Ferrules (A ... and AI ...), 0.25 - 6 mm ²		CF 500/DIE AI 6	1212238
Ferrules (A ... and AI ...) 10, 16, and 25 mm ²		CF 500/DIE AI 25	1212239
Ferrules (A ... and AI ...) 35 and 50 mm ²		CF 500/DIE AI 50	1212261
TWIN ferrules (A-TWIN...) 2 x 4, 2 x 6, and 2 x 10 mm ²		CF 500/DIE AI-TWIN 10	1212262
Insulated cable lugs (RCI ... and FCI ...) 0.14 - 1.5 mm ²		CF 500/DIE RCI 1,5	1212263
Insulated cable lugs (RCI ... and FCI ...) 0.5 - 6 mm ²		CF 500/DIE RCI 6	1212240
Cable lugs (RC ... and FC ...) 0.5 - 10 mm ²		CF 500/DIE RC 10	1212244
Cable lugs (RC ... and FC ...) 16 mm ²		CF 500/DIE RC 16	1212257
Slip-on sleeves and slip-on blade connectors (SCF ... and SCM ...) 0.1 - 1.5 mm ²		CF 500/DIE SC 1,5	1212241
Slip-on sleeves and slip-on blade connectors (SCF ... and SCM ...) 0.5 - 6 mm ²		CF 500/DIE SC 6	1212242
Turned contacts with pin diameters of 2.5 and 4.0 mm (CK 2,5 ... and CK 4,0) 0.14 - 4 mm ²		CF 500/DIE TC 4	1212237
Turned contacts (CK 4,0) 6 - 10 mm ²		CF 500/DIE TC 10	1212260
Solar contacts, 2.5 mm ² , 4 mm ² , 6 mm ²		CF 500/DIE SR 6-2	1212692
Assembling FBS... jumpers		CF 500/DIE FBS	1212461
CF 500 locator (positioning tool) for			
Slip-on sleeves (SCF...) W: 2.8 mm, L: 5 mm		CF 500/LOC SCF 2,8/1,5	1212249
Slip-on sleeves (SCF...) W: 4.8 mm		CF 500/LOC SCF 4,8/2,5	1212248
Slip-on sleeves (SCF...) W: 0.5 - 2.5 mm ²		CF 500/LOC SCF 6,3/2,5	1212264
Slip-on sleeves (SCF...) W: 6.3 mm		CF 500/LOC SCF 6,3/6	1212247
CF 500 protective cover for			
Ferrules up to 6 mm ² (AI 6...)		CF 500/COV AI 6	1212254
TWIN ferrules (AI-TWIN...)		CF 500/COV AI-TWIN	1212266
Insulated cable lugs (RCI...)		CF 500/COV RCI	1212255
Tubular cable lugs 0.5 - 10 mm ²		CF 500/COV RC 10	1212252
Tubular cable lugs 0.34 - 2.5 mm ²		CF 500/COV RCT 2,5	1212253
Slip-on sleeves and slip-on blade connectors SC 1,5... and SC 6...		CF 500/COV SC	1212251
For FBS jumpers		CF 500/COV FBS	1212462
Without recess (for all dies without classification)		CF 500/COV	1212250

Order form

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Notes

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The background is a clean, solid white color.

American Wire Gauge to metric conversion chart

	Comparable conductor cross-section		Comparable conductor cross-section
AWG/kcmil	[mm ²]	AWG/kcmil	[mm ²]
30	0.05	(9)	
(29)		8	8.4
28	0.08	(7)	10
(27)		6	
26	0.12	(5)	16
(25)	0.14	4	
24	0.22	(3)	25
(23)	0.25	2	35
22	0.32	1	
(21)		0	50
20	0.5	00	70
(19)	0.75	000	95
18	0.82	0000	120
(17)	1	250 kcmil	120
16	1.3	300 kcmil	150
(15)	1.5	350 kcmil	185
14	2.1	400 kcmil	
(13)	2.5	500 kcmil	240
12	3.3	600 kcmil	300
(11)	4		
10	6		

Would you like more information or to see videos of hand and semi automatic wire processing machines? Please visit www.phoenixcontact.com/tools

Notes

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