

PHOENIX CONTACT – In dialog with customers and partners worldwide

Phoenix Contact is one of the leading manufacturers of electrical connection and industrial automation technology. Founded over 80 years ago, the company now employs 9,900 people all over the world, more than 5,500 of whom are in Germany. A sales network with over 46 subsidiaries and more than 30 additional sales partners guarantees customer proximity directly on-site.

The product range comprises first class components, systems and services for a wide range of applications — the offer ranges right from modular terminal blocks to interface technology, PCB connection methods, solutions for surge protection through to hardware and software solutions for the automation of industrial systems.



Global player with customer proximity

Independence of the company is an integral part of the corporate policy.

Phoenix Contact therefore places great importance on in-house competence and expertise: The design and development departments continuously implement innovative ideas in products to develop special solutions to meet customer requirements.

Numerous patents emphasize the fact that many products are Phoenix Contact's own developments.



TOOL fox - The right tool for every case

Phoenix Contact offers the complete range of professional processing and measuring tools for all applications in electrical engineering. The tool for cutting, stripping, pressing, crimping, screwing and testing convinces with good handling and excellent quality. Automatic cutting, stripping and crimping

devices are available for automation of steps. Only professional tools facilitate very good results.

Quality, precision, durability and effectiveness are the basis for our tools.

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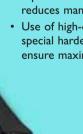
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Automatic devices

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Quality at the tip of your fingers

- Ergonomically designed handles
- Optimal transmission of lever action reduces manual forces by 25%
- Use of high-quality materials with special hardened tool steels that ensure maximum durability

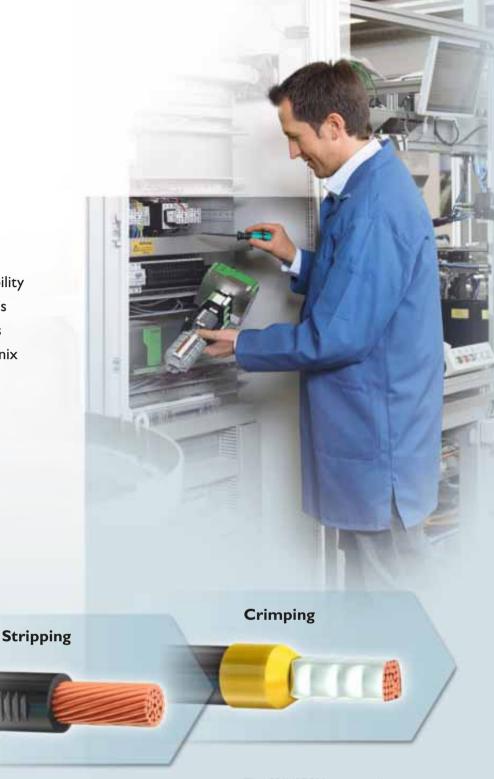




TOOL foxTool expertise

The most significant feature of a professional tool: It's fun to work with!

Good haptics and ergonomics, durability and functionality guarantee high levels of efficiency and quality. The features are united in all the tools from Phoenix Contact.



Cutting

CUTFOX cutting tools are characterized by especially hardened blades for high durability, increased force due to optimum transmission of lever action and slip-free dual-component handles.

The WIREFOX stripping tools facilitate quick stripping by means of self-adjusting blades. This avoids any damage to the conductor. The ergonomic, light-weight and glass-fiber-reinforced pliers guarantee fatigue-free work.

The CRIMPFOX crimping pliers attain optimum crimping results for all connectors even for large conductor cross-sections, with minimum forces. Equipped with a pressure lock, the pliers provide uniform high quality and gas-tight crimping.

Cutting

The process chain starts with the trimming or cutting of conductor or line.

A correct processing of conductors and lines of different size, shape and insulation can be achieved permanently only with quality tools. Low manual exertion of force with maximum exploitation of force in the cutting area is guaranteed by an optimal transmission of lever action. If conductors and lines are to be cut in the upper cross-section range of up to 1400 mm², the choice is limited to cable cutters with ratchet drive. The finely stepped down drives allow the manual force required to be kept to a minimum here too.



Shear cutting

For both versions with direct and indirect power transmission, the specifically designed cutting edge geometries support smooth running and ensure a right-angled and burrfree cut. Accidental deformation of the conductor is thus counteracted. The cutting described above, also called shear cutting, is listed under the generic term "splitting" in DIN 8588. Two blades move towards each other and thus cut (shear) the material without burring.

Bite cutting means two successively moving, wedge-shaped blades cut the material. The wedge angle of the blades is deliberately



Bite cutting

large and thus stable. In addition to the hardening of the entire tool, the cutting area is later on again hardened inductively to 62 HRC. Only this way it is possible to sever even extremely hard materials, e.g. piano wire and spring steel with a tensile strength of up to 2300 N/mm² without damaging the tool. Bite cutting is suitable to a limited extent for cutting through cables and lines.

When used accordingly, the CUTFOX cutting tools from Phoenix Contact have long-term stability and achieve permanently consistent results.

Stripping

Stripping is the next step in the manufacturing process of reliable crimping. A distinction is made between stripping and dismantling.

Stripping is used both as a generic term and to mean removing the insulation of conductors up to 16 mm². Dismantling describes the stripping process for large conductor cross-sections and multi-strand and multilayered lines and cables.

A suitable stripping and dismantling tool removes the insulation sections accurately and quickly. The terminal point or the connector determines the length of the insulation to be removed. This is set using adjustable limit stops and ensures consistent stripping lengths.

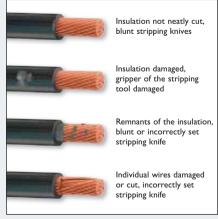
When removing the insulation, make sure that the individual inner wires or the braided shield are not damaged. The remaining insulation must not be damaged by the grip pressure, whereby pressure points and color changes on the insulation material as a result are permitted. Further faults that need to be prevented are stipulated in DIN IEC 60352.

For processing special insulation materials, suitable blade geometries depending on the application are deployed. V blades are used for both hard (e.g. Teflon/Radox®) and soft ductile rubber insulations (silicone). The V blades cut the insulation all the way round unlike the straight blade geometry, thus reducing the tear-off forces.

It is advisable to use automatic stripping pliers of the WIREFOX pliers series from Phoenix Contact to meet these requirements.



Correctly stripped cable in accordance with **DIN IEC 60352**



Stripping fault in accordance with DIN IEC 60352

Crimping

Crimping also means the joining of contact and conductor mechanically.

Besides crimping, two more terms are also prevalent in the German-speaking area. The type of deformation plays a decisive role. On the basis of contact types, we distinguish between:

- Squeezing, for insulated cable lugs
- Pressing, for ferrules, non-insulated cable lugs and others

If e.g. flat connectors are processed, it is referred to as crimping.

In order to generate a reliable connection between contact and conductor, some important points must be observed

- · Correct connection of the conductor
- Conductor and contact compatible
- Correct positioning of the conductor in the contact

- · Choice of suitable crimping tool
- Conductor and contact inserted in the appropriate die nest of the pliers

Professional crimping pliers are always equipped with a releasing pressure lock. It releases as soon as the required crimping pressure is applied. This eliminates the possibility of too little pressure. This guarantees the user a constant crimping result with maximum pull-out values.

If larger series of contacts are processed, automatic or semi automatic crimping machines are often implemented.

For subsequent assessment of crimping results, refer to the regulations DIN EN 60352-2 and 60999-1. In addition to a variety of electrical and mechanical tests, conductor pull-out tests are the decisive criterion.

All tools of the WIREFOX pliers series from Phoenix Contact have been adjusted and tested according to valid regulations. Gas-tight crimping with long-term stability is achieved using these tools. Carefully thought-out mechanics reduce manual forces by 25%.

Unique assignment 25% power saving A diagram of the connectors to be Innovative mechanics reduce the force processed ensures an easy optical by 25%. Even large cross-sections can be **Ergonomic handling** allocation. safely crimped using little force. The dual-component handle ensures an optimum hold by means of a soft component with rough texture on the upper handle. The hard component on the lower handle, means that it slides without friction through the hand. Manufactured precisely Precisely manufactured dies provide a uniform and high quality during contact processing. **Toolless one-hand** operation If required, the pressure lock Easy to insert can be easily accessed for The stable pliers head with release yet is integrated in the optimal apex angle allows easy handle to protect it. insertion of connectors of even Non-slip pressure pad larger cross-sections. A non-slip pressure pad for positioning on surfaces can assist the transmission of force.

Conductor pull-out test

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

In practice, tractive forces can affect the crimping points during wiring or operation.

Therefore, crimped contacts must be wired correctly to offer a high degree of mechanical reliability. To test the tensile

load capacity, the crimping must withstand a given tractive force relating to the crosssection for over 60 seconds. The tractive force exerts stress on the conductor at the crimping point. Crimping must hold without damage.

> The results of the tests for contacts from Phoenix Contact lie above the required minimum values stipulated in the standard.

Conductor cross-section		Pull-out force
mm²	mm² AWG	
0.14		18
	24	28
•	•	•
:	:	:
	,	
1.0		108
	16	135
•	•	•
:	•	•
<u> </u>	•	•
6.0		360
	8	370

Minimum bull-out values for ferrules can be taken from DIN EN 60999-1.



Gas-tight

Gas tightness - test set-up based on 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 thus powerful connections.

This testing method describes a corrosion test in condensation climates with an atmosphere that contains sulphur dioxide. Acidic compounds < Ph 7 form here and attack metal surfaces.

Two liters of distilled water and one liter of SO, gas are introduced to the test chamber. At a testing temperature of 40°C during the course of the test, sulphurous acid is formed. After eight hours of testing, the test objects dry for 16 hours with an open door. At the end of the test, a visual inspection of the test objects is conducted. The contact resistance of the contacts is recorded in accordance with

DIN EN 60512-2-1:2002 before and after the corrosion test and checked for changes caused by the effect of corrosion.

When used correctly, crimping tools and connectors from Phoenix Contact create a permanent, gas-tight connection at the contact points that cannot even be impaired by aggressive media.



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

CUTFOX/UNIFOX

Cutting and universal tools

Phoenix Contact has the perfect CUTFOX cable cutter for every application. There are different designs for processing cables with a diameter up to 100 mm. All parts of the cable cutters that are under particular strain are tempered or especially hardened.

An extensive range of UNIFOX combination tools is available for universal use. The safety tools equipped with non-slip dual-component handles are VDE-tested and marked.





Maximum force transfer

With the ratchet machanism, the force required in the case of large conductor cross-sections up to 100 mm diameter is extremely low.



Ergonomically designed

An innovative construction and non-slip handles with good grip ensure fatigue-free work.



VDE tested safety

An extensive range of VDE tested combination tools is available for universal use.

CUTFOX cutting tools

Front cable cutter

Туре

Type

Туре Cross-section

Туре

Cross-section

Cross-section

The front cable cutter ensures optimal cutting results in the cross-section range of a 35 mm diameter (300 mm²) by special cutting tool geometries. Handles with ergonomic grip support fatigue-free work.



CUTFOX 12 1212128 up to 12 mm Ø (up to 35 mm²)



CUTFOX 16 VDE 1212126 up to 16 mm \emptyset (up to 50 mm²)



CUTFOX 18 1212129 up to 18 mm \emptyset (up to 50 mm²)



Order no. **CUTFOX 25 VDE** up to 25 mm Ø (up to 70 mm 2)

Order no.

Order no.

CUTFOX 25 up to 25 mm \emptyset (up to 185 mm²)

1212130



CUTFOX 35 1212131 up to 35 mm \emptyset (up to 300 mm²)

Ring cable cutter

One and two-hand ring cable cutters with force-saving ratchet function, unlockable, cutting of copper and aluminum up to 100 mm diameter (1400 mm²) without crushing.



CUTFOX 45 up to 45 mm Ø (up to 300 mm²)



CUTFOX 52 1212133 up to 52 mm \emptyset (up to 300 mm²)



CUTFOX 62 1212134 up to 62 mm \emptyset (up to 750 mm²)

Order no. Cross-section



up to 100 mm Ø (up to 1400 mm²)



1212132

VDE diagonal cutter

The protection-insulated diagonal cutters with their inductively hardened precision cuts ensure cutting results with long-term stability and thus a clean cut for both soft and hard wires (piano wire).



1212207

CUTFOX-SP VDE

CUTFOX cutting tools

Special cutting tools

The CUTFOX FBD cutting tool is suitable for removing individual bars of the FBD... plug-in bridges from the CLIPLINE complete modular terminal block range.

FB... screw bridges are cut without crushing with the CUTFOX FB.

Order no. Type **Cutting capacity**



CUTFOX-FBS FBD... plug-in bridges 4 to ... 8 and Insertion bridges EB...



CUTFOX FB 1205985 FBI fixed bridges 10-6... FBI 10 - 12 mm²

UNIFOX universal tools

VDE combination pliers, pipe wrench

The protection-insulated combination pliers are available in straight and ergonomically angled forms with spring reset, interlocking gripping surfaces, integrated ring key M6 -M10 and blade.



UNIFOX-C VDE 1212202



1212203 1212365 UNIFOX-WP

VDE needle-nose pliers, flat and round-nose pliers

Order no.

The protection-insulated needle-nose pliers are available with straight pointed ends or angled at 45°. The gripping surfaces interlock and the integrated blades are hardened inductively.

The gripping surfaces of the flat/round-nose pliers are toothed.

Order no. Туре Туре Order no.



UNIFOX-P VDE 1212204



UNIFOX-PC VDE UNIFOX-F VDE 1212363 UNIFOX-R VDE 1212364

Blind rivet pliers

UNIFOX-RVT M blind rivet pliers

The pliers have one compact ergonomic and angled pliers head with three inserts for rivet diameter.

2.4 - 3.2 mm, 4 mm and 4.8 - 5.0 mm



For further information on blind rivets, see www.phoenixcontact.net/catalog

Type

Type

Order no.

CUTFOX cutting tools

Cable duct cutter/scissors

The PPS CD M cable duct cutter cuts channels and covers up to a width of 125 mm and a wall thickness of 2.5 mm burr-free and non-cutting in seconds. A spring-mounted blade protection provides the necessary safety.

The scissors enable a cutting length of 75 mm and have a limit stop of 45°.





Туре	Order no.
Accessories	
Spare knife	
Spare counter support	
Workbench	
with plywood panel 700 x 1200 x 50 mm	

PPS CD BLADE	1207572
PPS CD M COHO	1208995
PPS TABLE	1206285

Profile cutting tool

Туре

PPS BASIC I/M processes the common EN DIN rails. The PPS STANDARD and PPS CLASSIC can be equipped with two stamping bits for round holes or elongated holes. PPS CLASSIC is advantageous for hole formats that change frequently. By simply folding open the PPS... upper part, the stamping bits can be changed in no time at all.









		with inch/metric measuring rail
Туре	Order no.	
Description		for standard DIN rails
		NS15 / NS 35/7,5 / NS 35/15 / NLS-CU 3/10

Order no. PPS BASIC I/M

PPS CLASSIC M	1206243
with metric measuring rail	
PPS CLASSIC I/M	1206256
with inch/metric measuring rail	
each for standard DIN rails	
NS15 / NS 32 / NS 35/7,5 / NS 35/	15 /
NLS-CU 3/10 and two bore hole di	es

PPS STANDARD M	1206175
with metric measuring rail	
PPS STANDARD I/M	1206230
with inch/metric measuring rail	
each for standard DIN rails	
NS15 / NS 32 / NS 35/7,5 / NS 35/1	5 /
NLS-CU 3/10 and two bore hole die	es

		With	inch/metric measuring rail		with inch/metric measuring rail	
Description	for standard DIN rails	each f	for standard DIN rails		each for standard DIN rails	
	NS15 / NS 35/7,5 / NS 35/15 / NLS-CU	3/10 NS15	5 / NS 32 / NS 35/7,5 / NS	35/15 /	NS15 / NS 32 / NS 35/7,5 / NS 3	5/15 /
		NLS-0	CU 3/10 and two bore ho	e dies	NLS-CU 3/10 and two bore hole	dies
Accessories						
Stamping insert for elongated holes						
3.5 x 12 mm		PPS-	ST (3,5x12)L	1203563	PPS-ST (3,5x12)L	1203563
4.5 x 12 mm		PPS-	ST (4,5x12)L	1203534	PPS-ST (4,5x12)L	1203534
5.5 x 12 mm		PPS-	ST (5,5x12)L	1202603	PPS-ST (5,5x12)L	1202603
6.35 x 15 mm		PPS-	ST (6,35x15)L	1204876	PPS-ST (6,35x15)L	1204876
6.5 x 15 mm		PPS-	ST (6,5x15)L	1202593	PPS-ST (6,5x15)L	1202593
Stamping bit for cross hole						
3.5 x 12 mm		PPS-	ST (3,5x12)Q	1203550	PPS-ST (3,5x12)Q	1203550
4.5 x 12 mm		PPS-	ST (4,5x12)Q	1203547	PPS-ST (4,5x12)Q	1203547
5.5 x 12 mm		PPS-	ST (5,5x12)Q	1203411	PPS-ST (5,5x12)Q	1203411
6.5 x 15 mm		PPS-	ST (6,5x15)Q	1203408	PPS-ST (6,5x15)Q	1203408
Stamping insert for bore holes						
3.8 mm Ø		PPS-	·ST (3,8)	1204892	PPS-ST (3,8)	1204892
4.3 mm Ø		PPS-	·ST (4,3)	1202616	PPS-ST (4,3)	1202616
5.3 mm Ø		PPS-	-ST (5,3)	1202629	PPS-ST (5,3)	1202629
6.4 mm Ø		PPS-	ST (6,4)	1202632	PPS-ST (6,4)	1202632
7.0 mm Ø		PPS-	ST (7,0)	1204889	PPS-ST (7,0)	1204889
8.4 mm Ø		PPS-	ST (8,4)	1202726	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	
Workbench						
with plywood panel 700 x 1200 x 50 mm	PPS TABLE 12	06285 PPS	TABLE	1206285	PPS TABLE	1206285

MICROFOX

Electronic pliers

MICROFOX – The pliers program for all activities in the electronics and electromechanics field. It is ideal for processing difficult-to-access areas such as PCB components.

Like all manual tools from Phoenix Contact, even the micro-pliers are equipped with specially shaped two-component handles. They ensure safe grip and fatigue-free operation. We recommend that you use the ESD versions with special handles in order to safeguard sensitive electronic components. They discharge the electrostatic loads in a controlled manner as per the prevalent standards and regulations.





The tools are made of special tool steel C 60, hardened and ground to precision. They thus attain high cutting efficiency and are extremely durable.



Sensitive

The integrated double sheet spring and the ergonomic, non-slip handle enables accurate and delicate processing of electronic components.



The handles of the MICROFOX... ESD electronic pliers are made of conductive plastic. Electrostatic energy is thus discharged slowly and in a controlled manner.

MICROFOX electronic pliers

Electronic pliers

Туре

Туре

Type

Description

Description

Description

Description

The MICROFOX electronic pliers have a box joint for constant stability and an optimum force path. The surfaces are finely polished and oiled.



MICROFOX -SB	1212489
Diagonal cutters	
Round head with bevel	
MICROFOX-SP	1212488
Needle-nose pliers	
Pointed head with bevel	



MICROFOX E	1212494
Front cutter	
Without bevel	
MICROFOX-EO	1212495
Flat-nose pliers	
Angled, 20°, without bevel	



MICROFOX-P 1212491 Needle-nose pliers Gripping surface smooth







MICROFOX-F 1212493 Flat-nose pliers Gripping surface smooth



Round-nose pliers Gripping surface smooth

ESD electronic pliers

The ESD MICROFOX electronic pliers correspond to the common standards and regulations such as DIN EN 61340-5. The screwed precision joint enables optimum work results. The finely polished and phosphated surfaces ensure dazzle-free operation.



Order no.

Order no.

Order no.

Order no.





MICROFOX-E ESD 1212485 Front cutter Without bevel



Needle-nose pliers



MICROFOX-PC ESD Gripping surface smooth, curved 45°



MICROFOX-F ESD 1212484 Gripping surface smooth



MICROFOX-R ESD 1212481 Gripping surface smooth



WIREFOX

Stripping tools

The WIREFOX product range provides the perfect tool for every stripping task. The WIREFOX precision stripping tools from Phoenix Contact convince with their ergonomics and the special geometries of the hardened knives.

With maximum durability, you will always achieve consistent best results and are excellently prepared for the subsequent crimping procedure.





Precise and safe stripping

WIREFOX stripping pliers strip off all types of conductors and cables quickly, precisely and reliably. The relevant conductor cross-section is set automatically.



Creating conductor pick-off

WIREFOX-D-SHIELD stripping pliers allow cable cutouts and wire pick-offs to be created easily. These pliers are suitable for stripping shielded cables.



Multiple-stage stripping

CUTFOX-D CX stripping tools allow multiple-stage stripping of data and round cables in one step. The central fine setting for the stripping knife ensures that the cable is not damaged.

WIREFOX stripping tools

Stripping pliers for conductors and lines

The WIREFOX stripping pliers are characterized by a mechanism that adjusts automatically to different kinds of insulation and conductor diameters. Particularly useful are the integrated wire cutter and the flexibly adjustable stop for the stripping

Туре	Order no.
Conductor / cable	[mm ²] / AWG
Stripping length up to	[mm]
Insulation type	
Wire cutter solid // stranded	[mm ²] / AWG

Wire cutter solid // stranded	[mm ²] / AWG
Accessories	
Spare knife	



WIREFOX 2.5	1212368
0.08 - 2.5 / 28 - 12	
15	
Standard	
25/14//6/10	

1212370

1212151

1212153

Туре	Order no.
Conductor / cable	[mm ²] / AWG
Stripping length up to	[mm]
Insulation type	
Wire cutter solid // stranded	[mm²] / AWG



WIREFOX 2,5/WS

WIREFOX 4/SB

WIREFOX 16/SB

WIREFOX 4	121215
0.1 - 4 / 28 - 12	
18	
Standard and special insulation. e.g.	PTFE
1.5 / 16 // 10 / 8	



WIREFOX 6SC 1212158 1.5 - 6 / 16 - 10 18 Standard and short-circuit-proof 1.5 / 6 // 16 / 8



WIREFOX 10 0.02 - 10 / 34 - 8 18 Standard 1.5 / 16 // 10 / 8

1212152

WIREFOX 10/SB

Accessories		
Spare knife		



WIREFOX 16	1212155
4 – 16 / 12 – 5	
18	
Standard	
1.5 / 16 // 12 / 8	



WIREFOX 16-1	1212157	
6 – 16 / 10 – 5		
Any		
Standard		
-		

VDE stripping pliers

Туре

Conductor / cable

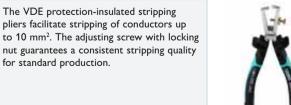
Insulation type

Accessories Spare knife

Stripping length up to ...

Wire cutter solid // stranded

pliers facilitate stripping of conductors up to 10 mm². The adjusting screw with locking nut guarantees a consistent stripping quality for standard production.



Order no.

[mm]

[mm²] / AWG

[mm²] / AWG

Туре	Order no.
Conductor / cable	[mm²] / AWG
Stripping length up to	[mm]
Insulation type	



WIREFOX 10 VDE	121236
0.2 - 10 / 24 - 8	
20	
Standard	

WIREFOX stripping tools

Stripping pliers for cable cutouts and shield connections

The WIREFOX-D SHIELD is ideal for stripping wires for cable cutouts, wire pick-offs and shield connections.



Туре	Order no.
Conductor / cable diameter	[mm]
Max. insulation thickness	[mm]

WIREFOX-D SHIELD	1212172
8 – 9	
4.0	

Stripping pliers for AS-Interface flat-ribbon conductors

The WIREFOX ASI is ideal for quick and precise stripping of AS-Interface flat-ribbon conductors. The stripping length can be selected freely due to the shape of the pliers.



Туре	Order no.
Conductor / cable	
Stripping length	[mm]

1212154

WIREFOX dismantling tools

Stripping tools for dismantling

The dismantling tool WIREFOX-D 11 strips single and multicore signal, control and glass fiber wires with diameter up to 11 mm. The handling is extremely easy and guarantees precise stripping results.

The WIREFOX-D SR 6 stripping tool is particularly well suited for solar cables.

Туре	Order no.
Conductor / cable diameter	[mm]
Max. insulation thickness	[mm]
Conductor	[mm²]
Stripping length	[mm]







WIREFOX-D SR 6	1212507
2.5 – 6	

The universal stripping tool WIREFOX-D 13 offers a variety of functions:

- Stripping installation wires of 8-13 mmdiameter, e. g. NYM 3 x 1.5 mm² up to NYM 5 x 2.5 mm²
- Single-wire stripping 0.2 4 mm²
- Integrated slitting knife
- Extendable knife

Туре	Order no.
Conductor / cable diameter	[mm]
Max. insulation thickness	[mm]



WIREFOX-D 13	1212162
8 – 13	

In addition to standard cables, fiber optic cables can also be stripped using WIREFOX-D 16. The WIREFOX-D 40 stripping tool dismantles wires with a diameter of up to 40 mm. Round, longitudinal and spiral cuts can be made with the swivel action blade.

Туре	Order no.
Conductor / cable diameter	[mm]
Max. insulation thickness	[mm]







WIREFOX-D 28 1212174 8 – 28

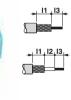


WIREFOX-D 40 1212161 4.5 - 40 4.5

Stripping tools for multi-stage stripping of co-axial cables

For extremely simple handling, the CUTFOX-D CX stripping tools facilitate multiple-stage stripping of data and round cables in one step. The central fine setting of the stripping knife means the cable is not damaged.





Type Order no.
2-stage / strip-off dimension I1 = 6.0 mm
2-stage / strip-off dimension I1 = 9.2 mm
2-stage / strip-off dimension I1 = 12 mm
2-stage / strip-off dimension I1 = 6.8 mm
3-stage / strip-off dimension $I1 = 5.5 \text{ mm}$ and $I2 = 5.5 \text{ mm}$
3-stage / strip-off dimension I1 = 2.7 mm and I2 = 8.3 mm
3-stage / strip-off dimension $I1 = 6.0 \text{ mm}$ and $I2 = 6.0 \text{ mm}$
3-stage / strip-off dimension I1 = 2.5 mm and I2 = 6.8 mm
3-stage / strip-off dimension I1 = 3.5 mm and I2 = 7.5 mm

WIREFOX-D CX-1	1212163
WIREFOX-D CX-2	1212164
WIREFOX-D CX-3	1212165
WIREFOX-D CX-4	1212166
WIREFOX-D CX-5	1212167
WIREFOX-D CX-6	1212168
WIREFOX-D CX-7	1212169
WIREFOX-D CX-8	1212170
WIREFOX-D CX-9	1212171

Spare knife accessories	
WIREFOX-D CX-1/SB	1212303
WIREFOX-D CX-2/SB	1212304
WIREFOX-D CX-3/SB	1212305
WIREFOX-D CX-4/SB	1212306
WIREFOX-D CX-5/SB	1212307
WIREFOX-D CX-6/SB	1212308
WIREFOX-D CX-7/SB	1212309
WIREFOX-D CX-8/SB	1212310
WIREFOX-D CX-9/SB	1212311

CRIMPFOX

Crimping tools

The wide range of CRIMPFOX pliers represents a new generation of professional crimping pliers. A new power transmission principle reduces manual forces by 25% with maximum pressure. Optimum handle geometries support fatigue-free work. The integrated pressure lock guarantees gas-tight quality crimping with long-term stability.



Professional crimping

The comprehensive range of professional crimping pliers allows the processing of all contact types up to 120 mm². An innovative construction and ergonomically designed handles reduce the required forces by up to 25%.



Quality crimping

Precise die and an integrated pressure lock guarantee gas-tight quality crimping with long-term stability. The pressure lock releases automatically as soon as the required crimping pressure is attained.



One for all

With replaceable dies, the universal crimping pliers from the CRIMPFOX series allow processing of different contacts up to 120 mm². The dies can be replaced without an additional tool.

Overview of connectors of crimping tools

	insulated and non-insulated co				
	Crimping tool designation	Order no.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Pag
	CRIMPFOX 6	1212034	0.25 – 6	24 – 10	18
	CRIMPFOX 6S-F	1212043	0.5 – 6	20 – 10	18
-	CRIMPFOX 6T	1212037	0.25 – 6	20 – 10	18
W	CRIMPFOX 6T-F	1212038	0.25 – 6	20 – 10	18
	CRIMPFOX 10S	1212045	0.14 – 10	25 – 7	18
	CRIMPFOX 6H	1212046	0.14 – 6	25 – 10	18
	CRIMPFOX 25R	1212039	10 – 25	8 – 4	18
	CRIMPFOX 50R	1212041	35 – 50	2 – 1	18
able lugs a	nd connectors				
	Crimping tool designation	Order no.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Pag
	CRIMPFOX-RCI 1	1212055	0.14 – 1	26 – 18	19
-	CRIMPFOX-RCI 2,5	1212053	0.75 - 2.5	20 – 14	19
(6)	CRIMPFOX-RCI 6	1212057	0.75 – 6	20 – 10	19
	CRIMPFOX-RCI 6-1	1212059	0.75 – 6	20 – 10	19
on-insulate	ed cable lugs				
12	Crimping tool designation	Order no.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Pag
17	CRIMPFOX RC 2,5	1212063	0.75 – 2.5	20 – 14	19
200	CRIMPFOX RC 10	1212061	4 – 10	12 – 8	19
	CRIMPFOX RC 25	1212065	4 – 10	12 – 8	19
	CRIMPFOX RCT 25-1 (tube lugs)	1212066	10 – 25	8 – 4	19
on-insulate	ed slip-on sleeves				
A A	Crimping tool designation	Order no.	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Pag
ALC: NO.	CRIMPFOX-SC 1,5	1212048	0.1 – 1.5	26 – 16	20
Yb.,	CRIMPFOX-SC 6L	1212052	0.5 – 6	22 – 10	20
	CRIMPFOX-SC 6	1212050	0.5 – 6	22 – 10	20
urned cont	acts				
	Crimping tool designation	Order no.	Conductor cross-section [mm ²]	Conductor cross-section [AWG]	Pag
%	CRIMPFOX-TC 4	1212113	0.5 – 4	22 – 12	20
1	CRIMPFOX-TC 10	1212114	4 – 10	12 – 8	20
oaxial coni	nector / FO connector				
	Crimping tool designation	Order no.		ench size [mm]	Pag
18	CRIMPFOX-CX 4,52	1212094	1.69 / 3.25 / 4.52		20
W.	CRIMPFOX-CX 6,48	1212095		41 / 6.48	20
5.50	CRIMPFOX-CX 9,14	1212096	1.73 / 8.23 / 9.14		20
3.8	CRIMPFOX-CX 10,54	1212097			20
_	CRIMPFOX-CX 10,90 CRIMPFOX-FO 5,41	1212098 1212099			20
		1212077	3.23 / 3.04 / 4	.327 3.07 3.41	<u> </u>
-SUB cont			Continue : 5 2	Continue of the	
W. F.	Crimping tool designation CRIMPFOX-DSUB 5	Order no. 1212111	Conductor cross-section [mm²] 0.08 – 0.5	Conductor cross-section [AWG] 28 – 22	Pag 21
	in contacts				
rimp-snan-					
rimp-snap-		Order no	Conductor cross-section [mm²]	Conductor cross-section [AWG]	Pan
rimp-snap-	Crimping tool designation CRIMPFOX MT 2,5	Order no. 1204038	Conductor cross-section [mm 2] 0.5 – 2.5	Conductor cross-section [AWG] 20 – 12	Pag 21



Crimping pliers for ferrules

The CRIMPFOX pliers are fitted with a pressure lock (unlockable). An innovative construction and ergonomically designed handles reduce the required manual forces. The self-adjusting CRIMPFOX 6T die automatically adapts to the connector size.





Туре	Order no.	
Conductor	[mm²] / AWG	

0.25 - 6 / 24 - 10

CRIMPFOX 6T 0.25 - 6 / 20 - 10

1212037

Spare die

CRIMPFOX 6/DIE

1212035

1212285

CRIMPFOX 6T/DIE

1212298

The self-adjusting die with front conductor entry of the crimping pliers automatically adapts to the connector size and is impressive due to a fast and reliable contact processing.





Order no. Type Conductor [mm²] / AWG

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

CRIMPFOX 6T-F 0.25 - 6 / 20 - 10

CRIMPFOX 6T-F/DIE

1212038

Accessories Spare die

CRIMPFOX 6S-F/DIE

1212297

Great importance has been placed on energy-saving work with the compact crimping pliers. The way in which the handles and the die are arranged means that the ferrules can be fitted however the tool is held.





Conductor	[mm²] / AWG
Туре	Order no.

CRIMPFOX 6H 1212046 0.14 - 6 / 25 - 10

CRIMPFOX 10S 0.14 - 10 / 25 - 7

1212045

The crimping pliers help in processing ferrules up to 50 mm². The ergonomically formed handles and the optimized mechanical transmission ensure optimum hold and reduce the force needed by 25%.





Туре	Order no.
Conductor	[mm ²] / AWG
A	

CRIMPFOX 25R 10 - 25 / 8 - 4

CRIMPFOX 50R 35 - 50 / 2 - 1

Spare die

CRIMPFOX 25R/DIE

1212040 CRIMPFOX 50R/DIE

1212039



Spare die

Crimping pliers for insulated cable lugs and connectors

A color marking on the die clearly allocates the cross-section of the CRIMPFOX RCI pliers. The precisely manufactured dies provide a uniformly high quality during the contact processing.







Туре	Order no.
Conductor	[mm²] / AWG

1212055 CRIMPFOX-RCI 1 0.14 - 1 / 26 - 18

CRIMPFOX-RCI 1/DIE

CRIMPFOX-RCI 2,5 0.75 - 2.5 / 20 - 14

1212054

CRIMPFOX-RCI 2,5/DIE

CRIMPFOX-RCI 6 0.75 - 6 / 20 - 10

1212058

CRIMPFOX-RCI 6/DIE

The CRIMPFOX-RCI 6-1 is suitable for the asymmetrical crimping of insulated cable lugs and connectors.



CRIMPFOX-RCI 6-1	1212059	

1212056

Туре Order no. [mm²] / AWG Conductor Accessories

0.75 - 6 / 20 - 10

CRIMPFOX-RCI 6-1/DIE 1212290



Accessories

Spare die

Spare die

Spare die

Crimping pliers for non-insulated cable lugs and tube lugs

The CRIMPFOX-RC is characterized by its compact and light design. The conductor entry is lateral. Three labeled die stations serve for precise processing of the relevant cross-sections.



CRIMPFOX-RC 2,5/DIE







Туре	Order no.
Conductor	[mm ²] / AWG

CRIMPFOX-RC 2.5 1212063 0.75 - 2.5 / 20 - 14

CRIMPFOX-RC 10 1212061 4 - 10 / 12 - 8

1212062

CRIMPFOX-RC 10/DIE

CRIMPFOX-RC 25 1212065 10 - 25 / 8 - 4

CRIMPFOX-RC 25/DIE

The CRIMPFOX-RCT 25-1 serves to process standard tube lugs.





1212064

Туре	Order no.
Die station	[mm]

CRIMPFOX-RCT 25-1	
10 - 25 / 8 - 4	

1212066

10 - 25 / 8 - 4		
CRIMPFOX-RCT 25/DIE	1212300	



Crimping pliers for non-insulated slip-on sleeves

The CRIMPFOX-SC... serves to process non-insulated flat connectors and slipon sleeves up to 6 mm². The marked die stations ensure precise processing. The CRIMPFOX-SC 6L serves as an additional positioning aid.

Туре	Order no.
Conductor	[mm²] / AWG
Accessories	
Enare die	



CRIMPFOX-SC 1,5

CRIMPFOX-SC 1,5/DIE

0.1 - 1.5 / 26 - 16



1212049



1212051



CRIMPFOX-SC 6/DIE

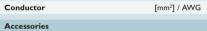
CRIMPFOX-SC 6L 1212052 0.5 - 6 / 22 - 10

1212051

Crimping pliers for turned contacts

The CRIMPFOX-TC... are crimping pliers for processing turned contacts up to 10 mm². The integrated locator serves in accurate positioning of the contacts with pin diameter of 1.6, 2.5 and 4 mm in the die.









CRIMPFOX-TC 4/DIE



CRIMPFOX-SC 6/DIE

4 - 10 / 12 - 8

1212295 CRIMPFOX-TC 10/DIE 1212296



Spare die

Crimping pliers for coaxial connectors

The CRIMPFOX-CX \dots are crimping pliers for processing coaxial connectors. Equipped with a pressure lock, the pliers provide uniformly high quality crimping.

See page 15 for 2 and 3-stage stripping tools.













CRIMPFOX-CX 4,52 1212094 CRIMPFOX-CX 6,48 1212095 CRIMPFOX-CX 9,14 1212096 Type Order no Hexagonal wrench width Die stations 1 / 2 / 3 1.69 / 3.25 / 4.52 1.69 / 5.41 / 6.48 1.73 / 8.23 / 9.14 [mm] Accessories

Spare die CRIMPFOX-CX 4,52/DIE 1212284 CRIMPFOX-CX 6,48/DIE 1212286 CRIMPFOX-CX 9,14/DIE 1212293











		6.1		61	
Туре	Order no.	CRIMPFOX-CX 10,54	1212097	CRIMPFOX-CX 10,90	1212098
Hexagonal wrench size					
Die stations 1 / 2	[mm]	2.54 / 10.54		2.54 / 10.90	
Accessories					
Spare die		CRIMPFOX-CX 10,54/DIE	1212291	CRIMPFOX-CX 10,90/DIE	1212292



Crimping pliers for FO connectors

The CRIMPFOX-FO serves to process FO connectors. The five marked die stations facilitate precise processing of different contact sizes.



Туре	Order no.
Hexagonal wrench size	
Die stations 1 – 5	[mm]

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

CRIMPFOX-FO 5,41/DIE 1212294



Accessories Spare die

Crimping pliers for D-SUB contacts

The CRIMPFOX-D SUB crimping pliers with integrated contact processes high density and standard contacts of 0.08 - 0.5 mm².



Туре	Order no.
Conductor	[mm²] / AWG

0.08 - 0.5 / 28 - 22

Accessories Spare die CRIMPFOX-DSUB 5/DIE 1212287



Crimping pliers for crimp snap-in contacts

The CRIMPFOX MT 2,5 is designed for the following Phoenix Contact contacts from the COMBICON product range:

3190564 MSTBC-MT 0,5-1,0 3190551 MSTBC-MT 1,5-2,5 3190577 ICC-MT 0,5-1,0 3190580 ICC-MT 1,5-2,5

	STG-MTN STG-MTN	.,. ,.		
Туре			Order n	0
Conductor			[mm ²] / AW	C

1204038

CRIMPFOX MT 2,5 0.5 - 2.5 / 20 - 12

Accessories CRIMPFOX MT 2,5 DIE 1208050 Spare die

Crimping pliers for solar connectors

The CRIMPFOX-SR 6... helps in processing solar connectors MC3 and MC4 from Multi-Contact and the SOLARLOK connectors from Tyco. Integrated locators ensure easy processing with optimum crimping results.





CRIMPFOX-SR 6-1	1212467
2.5 – 6	
MC3	



3.50	
CRIMPFOX-SR 6-2	1212468
2.5 – 6	
MC4	



CRIMPFOX-SR 6-3 1212469 SOLARLOK

Universal pliers for accommodating different crimp inserts

An excellent feature of the CRIMPFOX-M crimping pliers is the quick replacement of crimp inserts without the use of tools. The large number of inserts makes it a spacesaving universal tool for all applications.





Гуре	Order no.	CR
		Bas

RIMPFOX-M 1212072 sic pliers without die

CRIMPFOX-M SET 1212093 Contents: CRIMPFOX and dies 1212074, 1212079, 1212080, 1212081

Accessories					
Die, for ferrules					
0.25 - 10 mm ²	CRIMPFOX-M 10/DIE	1212080	CRIMPFOX-M 10/DIE	1212080 (inclu	ided in the set)
16 – 25 mm²	CRIMPFOX-M 25/DIE	1212081	CRIMPFOX-M 25/DIE	1212081 (inclu	ided in the set)
35 - 50 mm ²	CRIMPFOX-M 50/DIE	1212082	CRIMPFOX-M 50/DIE	1212082	
Die, for insulated cable lugs					
$0.5 - 1.5 \text{ mm}^2$ and $1.5 - 2.5 \text{ mm}^2$	CRIMPFOX-M RCI 2,5/DIE	1212074	CRIMPFOX-M RCI 2,5/DIE	1212074 (inclu	ided in the set)
$0.1 - 0.4 \text{ mm}^2 \text{ and } 4 - 6 \text{ mm}^2$	CRIMPFOX-M RCI 6/DIE	1212073	CRIMPFOX-M RCI 6/DIE	1212073	
Die, for non-insulated cable lugs					
0.75 - 2.5 mm ²	CRIMPFOX-M RC 2,5/DIE	1212078	CRIMPFOX-M RC 2,5/DIE	1212078	
0.5 – 6 mm ²	CRIMPFOX-M RC 6/DIE	1212079	CRIMPFOX-M RC 6/DIE	1212079 (inclu	ided in the set)
4 – 10 mm²	CRIMPFOX-M RC 10/DIE	1212077	CRIMPFOX-M RC 10/DIE	1212077	
Die, for non-insulated slip-on sleeves					
0.1 – 1 mm ²	CRIMPFOX-M SC 1/DIE	1212083	CRIMPFOX-M SC 1/DIE	1212083	
0.5 – 2.5 mm ²	CRIMPFOX-M SC 2,5/DIE	1212084	CRIMPFOX-M SC 2,5/DIE	1212084	
0.5 – 6 mm²	CRIMPFOX-M SC 6/DIE	1212085	CRIMPFOX-M SC 6/DIE	1212085	
Die, for turned contacts					
$2.5-4.0\ \text{mm}^2/\ \text{cross-section}\ 0.14-4\ \text{mm}^2$	CRIMPFOX-M TC 4/DIE	1212075	CRIMPFOX-M TC 4/DIE	1212075	
4.0 mm ² / cross-section 6 – 10 mm ²	CRIMPFOX-M TC 10/DIE	1212076	CRIMPFOX-M TC 10/DIE	1212076	
Die, for coaxial connectors					
RG 174, RG 179, BNC, TNC	CRIMPFOX-M CX 1/DIE	1212087	CRIMPFOX-M CX 1/DIE	1212087	
RG 58, RG 59, RG 62, RG 71, BNC, TNC	CRIMPFOX-M CX 2/DIE	1212088	CRIMPFOX-M CX 2/DIE	1212088	
CATV RG 6,59	CRIMPFOX-M CX 3/DIE	1212089	CRIMPFOX-M CX 3/DIE	1212089	
Die, for unshielded RJ45 connectors	CRIMPFOX-M RJ45/DIE	1212090	CRIMPFOX-M RJ45/DIE	1212090	
Die, for unshielded RJ11 connectors	CRIMPFOX-M RJ11/DIE	1212091	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	CRIMPFOX-M HS-1/DIE	1212282	
Die, for solar connector					
MC3, Multi-Contact, 2.5 – 6 mm ²	CRIMPFOX M SR 6-1/DIE	1212471	CRIMPFOX M SR 6-1/DIE	1212471	
MC4, Multi-Contact, 2.5 – 6 mm ²	CRIMPFOX M SR 6-2/DIE	1212472	CRIMPFOX M SR 6-2/DIE	1212472	
SOLARLOK, Tyco, 2.5 – 6 mm ²	CRIMPFOX M SR 6-3/DIE	1212473	CRIMPFOX M SR 6-3/DIE	1212473	

Universal pliers for accommodating different crimp inserts

The wide variety of dies makes the CRIMPFOX-C ... universal crimping pliers up to 120 mm². Easy fold back jaw holders allow quick replacement of dies. A mechanical drive system minimizes the force

95 mm²





		I		Λ	
Туре	Order no.	CRIMPFOX-C50	1212340	CRIMPFOX-C120	1212318
Accessories: Die combinations for ferrules					
Upper part of die					
50 mm², 70 mm²				CRIMPFOX-C120 AI 70/M-DIE	
95 mm²				CRIMPFOX-C120 AI 95/M-DIE	1212336
Lower part of die					404000
50 mm²				CRIMPFOX-C120 AI 50/F-DIE	1212337
70 mm ²				CRIMPFOX-C120 AI 70/F-DIE CRIMPFOX-C120 AI 95/F-DIE	1212338 1212339
95 mm ²				CRIMPFOX-C120 AI 95/F-DIE	1212339
Accessories: Die combinations for non-insulated cable lugs	90				
Upper part of die					
6 – 35 mm²		CRIMPFOX-C50 RC 35/M-DIE	1212343		
6 – 70 mm²				CRIMPFOX-C120 RC 70/M-DIE	1212331
Lower part of die					
25 mm ²		CRIMPFOX-C50 RC 25/F-DIE	1212344		
35 mm ²		CRIMPFOX-C50 RC 35/F-DIE	1212345		
10, 16, 25, 35 mm ²				CRIMPFOX-C120 RC 35/F-DIE	
6, 50 mm ²				CRIMPFOX-C120 RC 50/F-DIE	
10, 70 mm²				CRIMPFOX-C120 RC 70/F-DIE	1212334
Accessories: Die pair for insulated cable lugs					
10 mm ²		CRIMPFOX-C50 RCI 10/DIE	1212346	CRIMPFOX-C120 RCI 10/DIE	1212327
16 mm ²		CRIMPFOX-C50 RCI 16/DIE	1212347	CRIMPFOX-C120 RCI 16/DIE	1212328
25 mm ²		CRIMPFOX-C50 RCI 25/DIE	1212348	CRIMPFOX-C120 RCI 25/DIE	1212329
35 mm ²				CRIMPFOX-C120 RCI 35/DIE	1212330
Accessories: Die pair for copper tube lugs	•				
35 mm ²		CRIMPFOX-C50 RCT 35-1/DIE	1212341		
16, 35 mm ²				CRIMPFOX-C120 RCT 35-1/DIE	1212320
50 mm ²		CRIMPFOX-C50 RCT 50-1/DIE	1212342		
25, 50 mm ²				CRIMPFOX-C120 RCT 50-1/DIE	
10, 70 mm ²				CRIMPFOX-C120 RCT 70-1/DIE	
95 mm ²				CRIMPFOX-C120 RCT 95-1/DIE	
120 mm ²				CRIMPFOX-C120 RCT 120-1/DIE	1212323
Accessories: Pre-round die pair for sector cable					
25, 35 mm ²		CRIMPFOX-C50 R25-35/DIE	1212349		
35, 50 mm ²		CRIMPFOX-C50 R35-50/DIE	1212350		
50, 70 mm ²		CRIMPFOX-C50 R50-70/DIE	1212351		
25, 50 mm ²				CRIMPFOX-C120 R25-50/DIE	1212324
35, 70 mm ²				CRIMPFOX-C120 R35-70/DIE	1212325

CRIMPFOX-C120 R95/DIE

CRIMPFOX - The right connectors for the CRIMPFOX series

Ferrules with and without insulating collar

[mm²] / AWG

Ferrules from Phoenix Contact are available in different versions and color codes with and without plastic sleeves. All the versions are CSA-certified.

Description

Version

Color



0.25 - 35 / 24 - 2 according to DIN 46228-1 silver colored



0.25 - 120 / 24 - 5 according to DIN 46228-4/NF C 63-023 various color codes



1.5 – 16 / 16 – 6 large insulating collar diameter various colors

For more technical data and drawings, see www.phoenixcontact.net/catalog



 $2 \times 0.5 - 2 \times 16 / 2 \times 20 - 2 \times 6$ large insulating collar diameter various colors

Ring and fork-type cable lugs

The ring and fork-type cable lugs have a hard-soldered neck and attain maximum conductor pull-out forces in connection with the CRIMPFOX RC/...RCI pliers.



Ring cable lugs 1 - 240 / 18 - 500 silver colored



Ring cable lugs 1.5 - 10 / 16 - 8 various colors For more technical data and drawings, see www.phoenixcontact.net/catalog



Fork-type cable lugs 1.5 - 6 / 16 - 10 silver colored



Fork-type cable lugs 1.5 - 6 / 16 - 10 various colors

Slip-on sleeves and distributors, flat connectors

[mm²] / AWG

- EASY ENTRY easy and safe conductor entry
- · Hard-soldered crimping zone for maximum pull-out forces
- · Electrolytically tin-plated
- Halogen-free

Description

Version

Color

Description

Version

Color



Flat connectors 1.5 - 2.5 / 16 - 14 silver colored



Flat connectors 1.5 - 6 / 16 - 10 various colors For more technical data and drawings, see www.phoenixcontact.net/catalog



Slip-on sleeves/insulated 1 - 6 / 18 - 10 various colors



Slip-on sleeves/distributors 1.5 - 6 / 16 - 10 various colors

Flat pin and pin cable lugs, butt connectors

[mm²] / AWG

- EASY ENTRY easy and safe conductor entry
- · Hard-soldered crimping zone for maximum pull-out forces
- Electrolytically tin-plated
- · Halogen-free



Flat pin cable lugs 0.5 - 6 / 20 - 10 various colors



Flat pin cable lugs 1.5 - 6 / 16 - 10 various colors For more technical data and drawings, see www.phoenixcontact.net/catalog



Pin cable lugs 1.5 - 6 / 16 - 10 various colors



Butt connectors 0.5 - 6 / 20 - 10 various colors

Description

Version [mm²] / AWG Color

Tool and crimping sets



TOOL DATA SET

Order no. 1208856

Set for cutting, stripping and crimping

consisting of:

- Cable cutter for copper and aluminum with a diameter up to 12 mm, CUTFOX 12
- Stripping tool for stripping multicore signal, control and glass fiber wires of 2.5 11 mm diameter, WIREFOX-D11
- Basic pliers for accommodating dies for different contact types, CRIMPFOX-M
- Die for CRIMPFOX-M, for unshielded RJ45 connectors



TOOL SET ALLROUND 2

Set for cutting, stripping and crimping

consisting of:

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



TOOL SET ALLROUND 3

Set for stripping, crimping and screwing

consisting of:

- Stripping tool for conductors and cables $0.02-10~\text{mm}^2$, WIREFOX 10
- Crimping pliers with integrated pressure lock for ferrules of $0.5-6~\text{mm}^2$, with self-aligned die, insertion from the front, CRIMPFOX 6S-F
- · Ferrules, 50 pcs. each:
- AI 0,5-8 WH
- AI 2,5-8 BU
- Ferrules, 100 pcs. each:
- AL 0.75-8 GY
- AI 1-8 RD
- AI 1,5-8 BK
- Screwdriver for slotted-head screws SZE 1-0 6X3 5



TOOL-KIT STANDARD

Order no. 1212422

Set for cutting, stripping, crimping and screwing

- Front cable cutter for copper and aluminum with a diameter up to 18 mm (up to 50 mm²) CUTFOX 18
- Stripping tool for stripping wires of 4.5 40 mm of diameter with insulating thickness up to 4.5 mm WIREFOX-D 40
- · Stripping pliers for stripping of conductors and cables of 0.02 - 10 mm² WIREFOX 10
- Crimping pliers for ferrules with self-aligned die, front conductor entry and unlockable pressure lock CRIMPFOX 6S-F
- Screwdriver SZF 1-0,6X3,5



CRIMPSET 6

Order no. 1202072

Assortment box, metal

consisting of:

• Ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified

- AI 0.25-6 YE

- AI 0.34-6 TO
- AI 0,5-8 WH
- AI 0,75-8 GY
- AI 1-8 RD
- AI 1,5-8 BK

300 pcs.: – AI 2.5-8 BU

- 200 pcs.: Al 4-10 GY
- 100 pcs.:
- Al 6-12 YE
- $\bullet\,$ Stripping tool for wires and conductors up to 6 mm^2
- · Crimping pliers with integrated pressure lock for ferrules of $0.5-6\ mm^2$, insertion from the front



ALSORTI BOX RD Assortment box, red

Order no. 3202960

consisting of:

- Ferrules in accordance with DIN 46228-4, CSA-certified
- AI 0,5-8 WH, AI 2,5-8 BU

100 pcs. each:

– AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK

For more assortment boxes, see www.phoenixcontact.net/catalog

Tool sets

Universal tool sets for easy on-site use, with cutting, isolating and test tools from the TOOL fox range. The pouches are made of rugged and sturdy material.



Type Order no.	TOOL-WRAP	1212505
Tool wrap, equipped with one of the following	CUTFOX 16 VDE	Cable cutter for copper and aluminum conductors, VDE-tested
tools:	CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested
	PROFIPOL	Voltage tester, for DC and AC voltages of 6 V to 400 V, IP65
	SZK PH0	Screwdriver, suitable for Phillips recess screws, size: 0
	SZK PH1	Screwdriver, suitable for Phillips recess screws, size: 1
	SZK PH2	Screwdriver, suitable for Phillips recess screws, size: 2
	SZS 0,4X2,5	Screwdriver, flat, blade: $0.4 \times 2.5 \times 80$ mm, length: 161 mm
	SZS 0,5X3,0	Screwdriver, flat, blade: 0.5 x 3.0 x 100 mm, length: 181 mm
	SZS 1,0X4,0	Screwdriver, flat, blade: 1.0 x 4.0 x 100 mm, length: 198 mm
	SZS 1,0X6,5	Screwdriver, flat, blade: 1.0 x 6.5 x 150 mm, length: 248 mm
	UNIFOX-C VDE	Combination pliers, VDE design
	UNIFOX-P VDE	Needle-nose pliers, VDE design
	TOOL-WRAP EMPTY	Tool wrap
Tool wrap, empty	TOOL-WRAP EMPTY	1212501



Туре	Order no.	TOOL-BAG	1212504
Tool bag, with laptop and document	AI SORTI BOX RD	Assortment box, with ferrules per 50 pieces: Al 0,5-8 WH, Al 2,5-8 BU, per 100 pieces: Al 0,75-8 GY, Al 1-8 RD, Al 1,5-8 BK	
compartment, equippe		CRIMPFOX-M SET	Crimping pliers set
following tools:		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 of 12 V to 690 V, /750 V DC, IP64
		SZK PH0	Screwdriver, suitable for Phillips recess screws, size: 0
		SZK PH1	Screwdriver, suitable for Phillips recess screws, size: 1
		SZK PH2	Screwdriver, suitable for Phillips recess screws, size: 2
	SZS 0,4X2,5	Screwdriver, flat, blade: $0.4 \times 2.5 \times 80$ mm, length: 161 mm	
	SZS 0,5X3,0	Screwdriver, flat, blade: $0.5 \times 3.0 \times 100$ mm, length: 181 mm	
	SZS 1,0X4,0	Screwdriver, flat, blade: $1.0 \times 4.0 \times 100$ mm, length: 198 mm	
		SZS 1,0X6,5	Screwdriver, flat, blade: $1.0 \times 6.5 \times 150$ mm, length: 248 mm
		UNIFOX-C VDE	Combination pliers, VDE design
		UNIFOX-P VDE	Needle-nose pliers, VDE design
		UNIFOX-WP	Water pump pliers
		USS 4	Control cabinet key, made of metal, for all common control cabinets
		WIREFOX 10	Stripping tool, for lines and conductors from $4-16\ \text{mm}^2$, stripping length of up to 18 mm
		WIREFOX-D 40	Stripping tool, for stripping lines of 4.5 - 40 mm, insulation strength up to 4.5 mm
		TOOL-BAG EMPTY	Tool bag, with document and laptop compartment
		Cutter knife	Gray
		Tape measure 3 m	
Tool bag, empty		TOOL-BAG EMPTY	1212500

Tool sets



Туре	Order no.	TOOL-CARRIER	1212503	
		CRIMPFOX-M	Basic pliers, for accommodating dies for a wide range of contact types	
Tool carrier, equipped with one of following tools:	of the	CRIMPFOX-M 10/DIE	Die, for Crimpfox-M, for ferrules 0.25 - 10 mm², serial storage box	
following tools.		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 of 6 V to 400 V, IP65		
		SZK PH0	Screwdriver, suitable for Phillips recess screws, size: 0	
		SZK PH1	Screwdriver, suitable for Phillips recess screws, size: 1	
		SZK PH2	Screwdriver, suitable for Phillips recess screws, size: 2	
		SZS 0,4X2,5	Screwdriver, flat, blade: 0.4 x 2.5 x 80 mm, length: 161 mm	
	SZS 0,5X3,0	Screwdriver, flat, blade: $0.5 \times 3.0 \times 100$ mm, length: 181 mm		
	SZS 1,0X4,0	Screwdriver, flat, blade: 1.0 x 4.0 x 100 mm, length: 198 mm		
		SZS 1,0X6,5	Screwdriver, flat, blade: $1.0 \times 6.5 \times 150$ mm, length: 248 mm	
		UNIFOX-CE VDE	Combination pliers, angled, VDE design	
		UNIFOX-P VDE	Needle-nose pliers, VDE design	
		UNIFOX-WP	Water pump pliers	
		USS 4	Control cabinet key, made of metal, for all common control cabinets	
		WIREFOX 10 VDE	Stripping pliers, for stripping conductors of up to 10 mm ²	
		WIREFOX-D 13	Stripping tool, for stripping lines of 8 - 13 mm	
		WIREFOX-D 28	Stripping tool, for stripping lines of 8 - 28 mm	
		TOOL-CARRIER EMPTY	Tool carrier	
		Cutter knife	Gray	
		Tape measure 3 m		
Tool carrier, empty		TOOL-CARRIER EMPTY	1212499	



Type Order r	. TOOL-BELTPOUCH	1212506			
Tool belt pouch, equipped with one of the	CUTFOX 18	Cable cutter for copper and aluminum conductors			
following tools:	CUTFOX-S VDE	Diagonal cutter for copper and aluminum conductors, VDE-tested			
	PROFIPOL	Voltage tester, for DC and AC voltages of 6 V to 400 V, IP65			
	SZK PH1	Screwdriver, suitable for Phillips recess screws, size: 1			
	SZK PH2	Screwdriver, suitable for Phillips recess screws, size: 2			
	SZS 0,5X3,0	Screwdriver, flat, blade: $0.5 \times 3.0 \times 100$ mm, length: 181 mm			
	SZS 1,0X4,0	Screwdriver, flat, blade: $1.0 \times 4.0 \times 100$ mm, length: 198 mm			
	SZS 1,0X5,5	Screwdriver, flat, blade: 1.0 × 5.5 × 125 mm, length: 223 mm			
	UNIFOX-CE VDE	Combination pliers, angled, VDE design			
	USS 4	Control cabinet key, made of metal, for all common control cabinets			
	WIREFOX-D 13	Stripping tool, for stripping lines of 8 - 13 mm			
	TOOL-BELTPOUCH EMPTY	Tool belt pouch			
	Tape measure 3 m				
Tool belt pouch, empty	TOOL-BELTPOUCH EMPTY	1212502			

SCREWFOX

Screwdriver and torque screwdriver

The screwdrivers from Phoenix Contact are adapted optimally to the terminal block screws. This and ergonomically designed handles facilitate the transmission of the required torques with adequate force. Finely adjustable torque and batterypowered screwdrivers round off the product range.



Maximum force transfer

Dual-component handles and handles with good grip ensure an optimum hold, thus making work fatigue-free.



Precise torque

The finely adjustable torque allows to customize various screw sizes optimally and ensures constant torque any time.



Battery-powered screwdriver

The extremely accurate battery-powered torque screwdriver, ASD 21 is the ideal one-hand tool for effectively connecting conductors to screw connections.

SCREWFOX screwdriver tools

Screwdriver to actuate spring and quick connection terminal blocks

In addition to their standard applications, the screwdrivers of the SZF series are also suitable for actuating the modular terminal blocks of the ST... and QTC... series.

Blade: $0.4 \times 2.5 \times 75$ mm, length: 156 mm

Blade: $0.6 \times 3.5 \times 100$ mm, length: 181 mm

Blade: 0.8 x 4.0 x 100 mm, length: 198 mm

Blade: $1.0 \times 5.5 \times 150$ mm, length: 248 mm

Туре



Flat-bladed screwdriver, VDE flat-bladed screwdriver



VDE screwdriver for test socket screws

The SZG ... screwdrivers are ideal for slipfree and safe drive of the test socket screws with 2.3 und 4 mm diameter.



Order no. Blade: 0.6 x 3.5 x 100 mm, length: 198 mm Blade: 0.9 x 6.5 x 175 mm, length: 287 mm

SZG 0,6X3,5 1205121 SZG 0,9X6,5 1205134

VDE Phillips screwdrivers with Phillips and Pozidriv drive

The VDE protection-insulated screwdrivers for Phillips screws are available in the Pozidriv / Supadriv and Phillips recess versions.





Туре	Order no.	
Size: PZ0 x 80 mm, length: 161 mm		SZK PZ0
Size: PZ1 x 80 mm, length: 161 mm		SZK PZ1
Size: PZ2 x 100 mm, length: 205 mm		SZK PZ2
Size: PH0 x 80 mm, length: 161 mm		
Size: PH1 x 80 mm, length: 161 mm		
Size: PH2 x 100 mm, length: 205 mm		

1205147	
1205150	
1205163	
1	205150

SCREWFOX screwdriver tools

Screwdriver sets



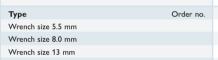
уре	Order no.	SZ SORTI 1	1202085
escription		Screwdriver assortment	
		consisting of:	
		SZS 0,4X2,5	1205037
		SZS 0,6X2,5	1205040
		SZS 0,6X3,5	1205053
		SZG 0,6X3,5	1205121



SZ SORTI 2	1202098
Screwdriver assortment	
consisting of:	
SZS 1,0X4,0	1205066
SZS 1,0X6,5	1205079
SZG 0,9X6,5	1205134

Hexagonal socket wrench and BIT set for hexagon head screws

Socket wrench for tightening hexagon head screws and nuts. Dual-component handles and handles with good grip ensure an optimum hold.





SHN 5,5	1209855
SHN 8	1209868
SHN 13	1209923



ASD BIT SETHN	1209952
Battery-operated screwdriver bit	set
consisting of:	
1 attachment set each in 5.5 mm,	8 mm, 13 mm
adapter to 1/4"	

VDE socket wrench for hexagonal socket-head screws

With easy-to-handle and wide T-form of the fully insulated hexagonal socket-head Allen wrench, high tightening torques can be achieved.



Туре	Order no.	
Wrench size 5 mm		VDE-
Wrench size 6 mm		VDE-
Wrench size 8 mm		VDE-

VDE-ISS 5	1203343
VDE-ISS 6	1201934
VDE-ISS 8	1201947

Control cabinet key

Universal control cabinet key with the following closures:

- 6 mm square
- 7 8 mm square
- 7 8 mm triangle
- 3 5 mm double



Туре	Order no.	USS 4	120

SCREWFOX screwdriver tools

Torque screw driver with hexagonal fast connection

The extremely accurate torque screw drivers that can be set finely according to EN ISO 6789 are tailored to Phoenix Contact products with screw connection.

- TSD-M 1,2NM 0.3 - 1.2 Nm - TSD-M 3NM 1.2-3.0 Nm - TSD-M 6NM 3.0 - 6.0 Nm





Туре	Order no.	TSD-M 1,2NM	1212224	TSD-M 6NM	1212226	
Туре	Order no.	TSD-M 3NM	1212225			
Accessories						
Tool bits for slotted-head screws						
Blade: 0.5 x 3.0 mm, length: 50 mm, tough	but flexible	ASD BIT 0,5X3,0X50	1203961	ASD BIT 0,5X3,0X50	1203961	
Blade: 0.6 x 3.5 mm, length: 50 mm, tough	but flexible	ASD BIT 0,6X3,5X50	1203974	ASD BIT 0,6X3,5X50	1203974	
Blade: 0.6 x 3.5 mm, length: 70 mm, tough	but flexible	ASD BIT 0,6X3,5X70	1203987	ASD BIT 0,6X3,5X70	1203987	
Blade: 0.8 x 4.0 mm, length: 50 mm, tough	but flexible	ASD BIT 0,8X4,0X50	1203990	ASD BIT 0,8X4,0X50	1203990	More tool bits
Blade: 1.0 x 5.5 mm, length: 50 mm, tough	but flexible	ASD BIT 1,0X5,5X50	1204009	ASD BIT 1,0X5,5X50	1204009	see www.phoenixcontact.net/catalog

Battery-powered torque screwdriver

The battery-powered screwdriver has the following characteristics:

- Right/Left rotation
- 2-gear transmission
- 21-level coupling with drilling levels of up to 600 rpm
- 6.5 mm hexagon fast connection drill chuck





Туре	Order no.	ASD 21	1208526	ASD 21 SET 120V	1208542
				ASD 21 SET 230V	1208490
Description		Adjustable from 0.3 – 4.4 Nm		consisting of:	
		Accuracy ± 5%		Battery-powered torque screwdri	ver
		including power pack 1.2 Ah		incl. power pack	
				Charger 120 V or 230 V	
				Bits and user manual	
				Aluminum case	

Accessories					
Tool bits for slotted-head screws					
Blade: 0.5×3.0 mm, length: 50 mm, tough but flexible	ASD BIT 0,5X3,0X 50	1203961	ASD BIT 0,5X3,0X 50	1203961	
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	ASD BIT 0,6X3,5X 50	1203974	ASD BIT 0,6X3,5X 50	1203974	
Blade: 0.6×3.5 mm, length: 70 mm, tough but flexible	ASD BIT 0,6X3,5X 70	1203987	ASD BIT 0,6X3,5X 70	1203987	
Blade: 0.8 x 4.0 mm, length: 50 mm, tough but flexible	ASD BIT 0,8X4,0X 50	1203990	ASD BIT 0,8X4,0X 50	1203990	More tool bits
Blade: 1.0 x 5.5 mm length: 50 mm tough but flexible	ASD BIT 1 0Y5 5Y 50	1204009	ASD BIT 1 0YS SY SO	1204009	see way phoenix ontact net/catalog

Hexagonal torque screwdriver with preset torque

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





Туре	Order no.		
Blade: 0.4 x 2.5 x 75 mm, 0.2 Nm		TSD 02 SAC	1208487
Blade: 0.6 x 3.5 x 100 mm, 0.4 Nm		TSD 04 SAC	1208429
Blade: 0.8 x 4.0 x 100 mm, 2.0 Nm		TSD 20 SAC	1212020
Blade: 1.0 x 5.5 x 150 mm, 2.5 Nm		TSD 25 SAC	1212315

Accessories: Nuts for		
Cable, M8 plug connector	SAC BIT M8-D10	1208461
self assembled cable, M8 connector	SACC BIT M8-D12	1208474
Cable, M12 connector	SAC BIT M12-D15	1208432
Cable, M12 connector	SACC BIT M12-D20	1208445
Pressure nuts, wrench size 13 mm	SAC BIT QUICKON-W13	1212033
Pressure nuts, wrench size 24 mm	SAC BIT HOOD-W24	1212486

TESTFOX

Measuring and testing devices

High-quality measuring tools are available with the TESTFOX multimeters, current pliers and voltage testers that are tested and approved as per the nationally and internationally applicable standards.

They allow measurement of all standard measurement types and serve as the ideal solution in all fields of application, electrical installation and the service.





Wide range of functions

The TESTFOX M-1 offers all standard measurement types and temperature measurements in a compact housing.



Versatile use

The TESTFOX CC-1 also allows measurement of low AC/DC currents above 10 mA and is ideal in the area of photovoltaics.



Measuring without errors

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

TESTFOX testing and measuring devices

The DUSPOL EXPERT voltage and continuity tester has the following features:

- Single-pos. test of the phase conductor (phase)
- Measuring point lighting
- Acoustic and optical continuity test
- · Load connection using a pushbutton
- Vibration alarm for safe voltage detection
- Surge voltage category CAT IV 500 V as per IEC/EN 61243-3





DUSPOL EXPERT	1209091	
12 750		
12 690		For further technical data, see
IP64		www.phoenixcontact.net/catalog

Туре	Order no.
Voltage range	[V DC]
Voltage range	[V AC]
Protection class	



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





Туре	Order no.	TESTFOX CC	1212210	TESTFOX CC-1	1212211	
Display scope		2000 digits		4000 digits		
Display accuracy		1,0%		0,5%		
Voltage AC		0.1 V - 600 V		0.1 mV - 600 V		
Voltage DC		0.1 V - 600 V		0.1 mV - 600 V		
Current AC		0.1 A - 400 A		10 mA - 300 A		
Current DC		-		10 mA - 300 A		
Resistance		0,1 Ω – 20 M Ω		0,1 Ω – 40 M Ω		For further technical data, see
Continuity test		Acoustic (20 Ω)		Acoustic (50 Ω)		www.phoenixcontact.net/catalog

The digital multimeters with volt sensor function are impressive due to their technology and their quality. They are tested and approved as per the internationally applicable standards IEC/EN 61010. The devices can be used in the case of voltages of up to 600 V, category III or 1000 V, category II.





Туре	Order no.	TESTFOX M	1212208	TESTFOX M-1	1212209	
Display scope		2000 digits		2000 digits		
Display accuracy		0.5%		0.5%		
Volt sensor		yes		yes		
Voltage AC		0.1 mV - 750 V		0.1 mV - 750 V		
Voltage DC		0.1 mV - 1000 V		0.1 mV - 1000 V		
Current AC		-		1 mA - 10 A		
Current DC		_		1 A – 10 A		
Resistance		0.1 Ω – 20 Μ Ω		0.1 Ω – 20 M Ω		
Continuity test		Acoustic (25 Ω)		Acoustic (25 Ω)		
Frequency		-		1 Hz – 20 MHz		
Capacitance		_		1.00 pF - 2.00 mF		
Temperature		-		-20°C - 800°C		For further technical data, see
Diode test		Yes (1.5 mA)		Yes (1.5 mA)		www.phoenixcontact.net/catalog

Automatic cutting, stripping and crimping devices

For the automation of steps for flexible and quick processing of conductors and cables, Phoenix Contact offers a comprehensive range of innovative automatic tools. In this way, functionality, quality and quick retooling times ensure high flexibility for consistently high results.





Stripping automatically



Crimping automatically



Stripping and crimping automatically



The CUTFOX 10 automatic cutting device cuts conductors and lines up to 10 mm². Solid and stranded conductors are cut to within a millimeter. The length and the number of sections are entered via the userfriendly display. The CUTFOX 10 adjusts automatically to the diameter when material is changed.



The automatic stripping device WF 1000 enables automatic stripping with the option of partial stripping of conductors of up to 6 mm² or lines up to 6 mm Ø. The stripping dimensions are individually set via dials and are displayed on the display.



The ZAP crimping pliers are pneumatic pliers for ferrules with a cross-section of 0.25 to 10 mm². Crimping is triggered, depending on the version, via a foot valve or manual release. Two integrated receptacles ensure quick access to the ferrules.



The CF 500 is characterized by a high compression capacity in a compact design. A simple and quick replacement option of dies makes it suitable for processing a variety of contact types of up to 50 mm².



The automatic stripping and crimping device CF 1000 processes loose (bulk) taped ferrules with insulating collars in accordance with DIN 46228-44. Using this machine, conductors can be stripped and fitted with ferrules in one operation.



The automatic stripping and crimping device CF 3000-2,5 processes taped ferrules with insulating collars in accordance with DIN 46228-44. Using this device, conductors in the cross-section range from 0.25 - 2.5 mm² can be stripped and fitted with ferrules in one operation. Modifying automatic devices to different cross-sections is possible within a minute.

CUTFOX 10 automatic cutting device

The automatic cutting device CUTFOX 10 offers you the possiblity to cut various conductors. The desired length and number are entered via a user-friendly display and the automatic device is ready to start.

The front cover only needs to be opened to introduce the conductor ends. The drive and guide rolls are automatically set to the relevant defined diameter.

An application video can be downloaded from the Internet.



CUTFOX 10		BB.	
Туре	Order no.		
Automatic cutting device, 230 V, 50 Hz version		CUTFOX 10	1206829
for conductors and cables up to 8 mm Ø			
solid (up to 2.5 mm²) and stranded (up to 10 mm²)			
Automatic cutting device, 120 V, 60 Hz version		CUTFOX 10 120 V	1206832
for conductors and cables up to 8 mm Ø			
solid (up to 2.5 mm²) and stranded (up to 10 mm²)			
Cable roller for CUTFOX 10		CUTFOX 10 C-UN	1208393
Cable unwinders for accommodating cable rings and cable coils			
Technical data			
Dimensions, width / length / height	[mm]	195 / 295 / 230	
Weight	[kg]	11	
Power consumption	[VA]	80	
Fine strand	[mm²]	0.25 – 10	
Single-strand	[mm²]	0.25 – 2.5	
Max. throughput	[mm]	8	
Cross-section range		Automatic	
Maximum number of cuts	[Stck.]	99999	
Length	[mm]	2 99999	
Feed rate	[m/s]	0.5	
Unit of measurement		mm/inch	
Dialog language		German / English / French / Italian	
Automatic cutting device accessories			
Spare drive wheels		CF-10 WHEEL SET	1207271
2 pcs., for CUTFOX 10			
Spare knife set		CF-10 CUTTER KNIFE SET	1207284
for CUTFOX 10			
Cable unwinder accessories			
Spare turntable for cable unwinders		CUTFOX 10 R-C	1208403
for the accommodation and spring-mounted unwinding of cable rings and cable coils			
Spare holding arms for turntables		CUTFOX 10 BAR	1208416
Turntable, 4 arms for turntable			

WF 1000 automatic stripping device

The compact automatic stripping device WF 1000 is suitable for automatic stripping with the option of partial stripping of conductors of thicknesses of 0.08 to 6 mm² or also multi-strand lines with a diameter up to 6 mm². Even for special isolations such as PTFE and silicone, this automatic device is particularly suitable. The clamping force is automatically set to the required withdrawal force. Unsightly pressure points on sensitive materials are thus prevented. The large and clear display on the top side of the device simplifies the correct setting.

An application video can be downloaded from the Internet.



WF 1000		200	
Туре	Order no.		
Automatic stripping device, 230 V version		WF 1000	1212149
Version for conductors and lines			
solid and stranded 0.08 − 6 mm² (max. Ø 6 mm)			
with integrated graphic display			
Automatic stripping device, 120 V version		WF 1000 120 V	1212258
Version for conductors and lines			
Solid and stranded 0.08 – 6 mm ² (max. Ø 6 mm)			
with integrated graphic display			
Technical data			
Dimensions, width / length / height	[mm]	141 / 363 / 221	
Weight	[kg]	9.5	
Power consumption	[VA]	160	
Working cycle	[s]	0.3	
Compression Fine strand	F21	trapezoidal 0.08 – 6	
	[mm²]	3 – 20	
Stripping length	[mm]	2 – 20	
Part of the stripping length Max. throughput	[mm]	6	
riax. cirroughput	[mm]		
Accessories			
Spare stripping knife		WF 1000/SB	1212279

ZAP pneumatic crimping pliers

The ZAP crimping pliers are pneumatic pliers for ferrules with a cross-section of 0.25 to 10 mm². The ZAP 25 has a Duo-Press die, allowing both front and lateral cable insertion.

The ZAP 25 T and ZAP 100 T have been developed especially for preassembly of conductors. The crimping process is triggered by a foot valve. Two integrated receptacles ensure quick access to the ferrules.





ZAP...

ZAP ... T

ZAP 25 / ZAP 100



			-	•	
Туре	Order no.				
Pneumatic crimping pliers		ZAP 25	1203110	ZAP 100	1203259
For ferrules according to DIN 46228					
Technical data					
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14		4 - 10 / 12 - 8	
Pressure range	[bar]	4 – 6		4 – 6	
Air consumption per compression	[1]	0.2		0.2	
Compression		trapezoidal		trapezoidal	

ZAP 25 T / ZAP 100 T



Туре	Order no.				
Pneumatic crimping pliers		ZAP 25 T	1203123	ZAP 100 T	1203262
For ferrules according to DIN 46228					
Technical data					
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14		4 – 10 / 12 – 8	
Pressure range	[bar]	4 – 6		4 – 6	
Air consumption per compression	[1]	0.2		0.2	
Compression		trapezoidal		trapezoidal	

CF 500 automatic crimping device

The compact automatic crimping device CF 500 is impressive due to its high press capacity and the easy replaceability of its dies. The automatic device is an all-rounder due to its large number of dies.

- Ferrules of up to 50 mm²
- TWIN ferrules of up to 2 x 10 mm²
- Insulated cable lugs of up to 6 mm²
- Non-insulated cable lugs up to 6 mm²
- Tube lugs up to 10 mm²
- Slip-on sleeves and flat connectors of up to 6 mm²
- Turned contacts of up to 10 mm²

More dies are available on request or in the Phoenix Contact e-shop. An application video can be downloaded from the Internet.



CF 500		11	
Туре	Order no.		
Automatic crimping device, 230 V design, with foot pedal		CF 500-230 V	1208348
Automatic crimping device, 120 V design, with foot pedal		CF 500-120 V	1208351
Technical data			
Dimensions, width / length / height	[mm]	140 / 220 / 320	
Weight	[kg]	10	
Power consumption	[VA]	160	
Crimping pressure / working cycle	[kN] / [s]	10 / 1	
Accessories			
CF 500 die for			
Ferrules (A and Al) 0.25 – 6 mm ²		CF 500/DIE AI 6	1212238
Ferrules (A and Al) 10, 16 and 25 mm ²		CF 500/DIE AI 0	1212239
Ferrules (A and Al) 15, 16 and 25 min Ferrules (A and Al) 35 and 50 mm ²		CF 500/DIE AI 25	1212237
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 flat connectors (SCF and SCM) 0.1 – 1.5 mm ²		CF 500/DIE SC 1,5	1212241
Slip-on sleeves and flat connectors (SCF and SCM) 0.5 – 6 mm ²		CF 500/DIE SC 6	1212242
Turned contacts with pin diameters 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
CF 500 locator (positioning help) 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 (Al 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
Tube lugs 0.5 – 10 mm ²		CF 500/COV RC 10	1212252
Tube lugs 0.34 – 2.5 mm ²		CF 500/COV RCT 2,5	1212253
Slip-on sleeves and flat connectors SC1.5 and SC6		CF 500/COV SC	1212251
Without recess (for all dies without assignment)		CF 500/COV	1212250

CF 1000 crimping machine

The stripping and crimping machine CF 1000 processes loose ferrules with insulating collars as per DIN46228-4. This automatic device can process up to 1200 conductors per hour. In only one work step, the conductor is stripped and quality-crimped with a ferrule. Additional features include:

- Rugged structure
- Processing of loose ferrules (Al...)
- Fast cross-section change without additional setting measures
- Quantity counter
- Suitable for mass processing



CF 1000			
Туре	Order no.		
Stripping and crimping machines, 230 V version		CF 1000-1,5 230 V	1208199
Electro-pneumatic, for loose ferrules with insulating collar, 0.34 – 4 mm ²			
Incl. conversion kits 0.5 – 1.5 mm² (stripping length 8 mm)			
Stripping and crimping machines, 120 V version		CF 1000-1,5 120 V	1208209
Electro-pneumatic, for loose ferrules with insulating collar, 0.34 – 4 mm ²			
Incl. conversion kits $0.5-1.5 \text{ mm}^2$ (stripping length 8 mm)			
Stripping and crimping machines, 230 V version		CF 1000-10	1212456
Electro-pneumatic, for loose ferrules with insulating collar, 4 mm 2 , 6 mm 2 and 10 mm 2			
Without conversion kit			
Stripping and crimping machines, 120 V version		CF 1000-10, 120 V	1212457
Electro-pneumatic, for loose ferrules with insulating collar, 4 mm ² , 6 mm ² and 10 mm ²			
Without conversion kit			
Technical data			
Dimensions, width / length / height	[mm]	240 / 490 / 390	
Weight	[kg]	29	
Air consumption per compression	[1]	1.2	
Working cycle	[s]	1.5	
Crimping pressure	[kN]	10	
Compression		trapezoidal	
Accessories			
Expansion set, complete for CF 1000,			
For loose ferrules with insulating collar			
0.25/0.34 mm², stripping length 6 mm		CF 1000-TOOLKIT 0,34/6	1208212
0.25/0.34 mm², stripping length 8 mm		CF 1000-TOOLKIT 0,34/8	1208225
2.5 mm², stripping length 8 mm		CF 1000-TOOLKIT 2,5/8	1208241
4 mm², stripping length 10 mm		CF 1000-TOOLKIT 4,0/10	1208270
4 mm², stripping length 10 – 12 mm		CF 1000-10-TOOLKIT 4/10-12	1212458
6 mm², stripping length 12 mm		CF 1000-10-TOOLKIT 6/12	1212459
10 mm², stripping length 12 mm		CF 1000-10-TOOLKIT 10/12	1212460
Spare knife, V-form, for CF 1000		CF-EM	1205215

CF 3000 stripping and crimping machine

The automatic stripping and crimping device CF 3000-2,5 processes taped ferrules with insulating collars according to DIN 46228-4. The device covers the cross-section range from $0.25 - 2.5 \text{ mm}^2$. In just one step, the ferrule is stripped and then immediately processed. The change-over of the automatic devices to different cross-section ranges is possible within a minute.

An application video can be downloaded from the Internet.



CF 3000				
Туре	Order no.			
Automatic stripping and crimping device, 230 V version		CF 3000-2,5	1205477	
Taped ferrules 0.25 – 2.5 mm², stripping length 8 mm				
Incl. conversion kits 0.5 – 2.5 mm ²				
Automatic stripping and crimping device, 120 V version		CF 3000-2,5 120V	1205516	
Taped ferrules 0.25 – 2.5 mm², stripping length 8 mm				
Incl. conversion kits 0.5 – 2.5 mm² (stripping length 8 mm)				
Technical data				
Dimensions, width / length / height	[mm]	165 / 320 / 300		
Weight	[kg]	12		
Conductor	[mm²] / AWG	0.25 - 2.5 / 22 - 14		
Power consumption	[VA]	80		
Working cycle	[s]	1.2		
Compression		trapezoidal		
Accessories				
Expansion set, complete for CF 3000		CF 3000-TOOLKIT 0,25	1212376	
For insulated taped, 0.25/0.34 mm ²				
Stripping length 8 mm				
Spare 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	
Spare knife			404000	
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	

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