

Stripping

Stripping

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Stripping

After a conductor has been cut it is then prepared for the next step or for crimping. For this purpose, a specific length of the conductor insulation has to be removed, while preventing damage to the conductor. The length of the conductor insulation to be removed depends on the terminal clamping point or the crimp to be processed. Professional stripping tools guarantee perfect results due to precise adjustment of the tool to the corresponding insulation and the conductor cross-section.



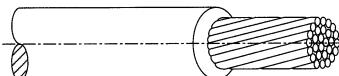
Precision tools by Weidmüller guarantee that the user will always obtain consistent, reliable stripping results.



"Stripping" means the cutting and removal of the insulation. The following must be ensured in performing this task:

The stripping dimension must be observed and neither the conductor nor the remaining insulation must be damaged.

DIN IEC 60352 part 2 contains references to stripping faults which must be avoided:



Correctly stripped conductor

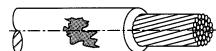
Possible faults during stripping:



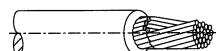
Insulation has not been cut properly



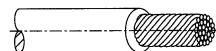
Remains of the conductor insulation are still to be found on the stripped conductor



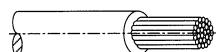
The conductor insulation has been damaged by the stripping tool



Single conductors have been damaged or cut off by the stripping tool



Single conductors have been twisted too tightly afterwards



Single conductors are no longer twisted.

To avoid these faults, it is important that the stripping tool is suited to the insulation and to the cross-section range of the conductor.

Do not use work knives or penknives because the stripping quality when using such tools depends entirely on the manual dexterity of the user. The quality is not consistent, even when the user is highly skilled.

Preference should be given to hand-operated tools that adjust automatically to the corresponding cross-section of the conductor. They do not damage to the conductor during stripping and avoid the faults shown on the left.

stripax® stripping tools guarantee a consistent stripping result which complies with DIN regulations. The tools are rated for standard dimension PVC insulation. Any PVC insulation thicknesses deviating from normal can be set manually. The conductor stopper and integrated wire cutter allow highly versatile use of the tools.

Special insulation types such as Teflon, Silicone and Kapton require special stripping tools. These tools strip the conductor with punch blades.

Stripping and cutting tools

Stripping and cutting tools

- For flexible and massive conductors with PVC-insulation
- Stripping length adjustable with shoulder
- automatic opening of the clamping jaws after stripping
- no splicing of the single conductor
- adjustable to different insulation thicknesses
- cable with double insulation in two processing steps without special adjustment
- Blade-device free from float and self-adjustable
- long durability
- optimised ergonomically design

C

stripax®



stripax® 16



Stripping and cutting tool for flexible conductors with PVC-insulation of 0.08...6 mm² (~AWG 28...10)

- No damaging of the conductor due to special, self-adjustable stripping blades
- Processing of multi-conductors, with thin flat ribbon cables even multiple conductors in one operation

Stripping and cutting tool for flexible and massive conductors with PVC-insulation of 6...16 mm² (~AWG 10... 6)

- Cutting of flexible and massive conductors up to 6 mm² (AWG 10)
- No damaging of the conductor due to special blade forms

Technical data

Max. stripping performance

Cable model	
Conductor cross-section	mm ²
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Cutting performance

Max. cutting performance	mm ²
	6

Tool data

Length	mm
Weight	g

Information

Ordering data

Version

stripax®

flexible & solid conductors with PVC insulation
0.08 ... 6

stripax® 16

flexible & solid conductors with PVC insulation
6 ... 16

Information

Accessories

Type

Qty.

Order No.

STRIPAX 1 9005000000

Type

Qty.

Order No.

STRIPAX 16 1 9005610000

Information

Type

Qty.

Order No.

Cleaning brush 5 9005450000

Type

Qty.

Order No.

Cleaning brush 5 9005450000

Spare stripping blades 1 9054030000

Spare stripping blades 1 9054080000

Stripping and cutting tool

Mini-duro-stripax

Blade set



Stripping and cutting tool for conductors with special insulation types for conductor diameters 0.2 ... 1.21 mm (~ AWG 32 ... 18)

- Flexible and solid conductors with PVC, Teflon (PTFE) and silicone insulation
- Special punch blades do not damage the conductor
- No splicing of the single conductors
- Blade inserts can be easily replaced
- All inserts fit one housing

Technical data

Max. stripping length	mm	3 – 7
Stripping diameter max. cutting performance	mm	2.2
Tool data		
Length	mm	135
Weight	g	110

Selection of blade sets

Conductor diameter mm (min./max.) AWG	Colour	white	yellow	red	green	blue	black
		0.3 – 1.3 28 ... 18	0.2 – 0.3 32/1, 32/7, 30/1, 30/7	0.3 – 0.5 28/1, 28/7, 28/19, 26/1, 26/7, 26/19, 24/1	0.55 – 0.8 24/7, 24/19, 22/1, 22/7, 22/19, 20/1	0.88 – 0.92 20/7, 20/19	1.0 – 1.21 18/1, 18/7, 18/19
Insulation material mm ²	PVC / silicone	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE

Order data

Tools with blade set (Qty = 1)	Order No. 9001280000	Order No. 9003700000	Order No. 9003710000	Order No. 9003720000	Order No. 9003730000	Order No. 9003740000
Tool with all blade sets (Qty = 1)	Order No. 9003500000					

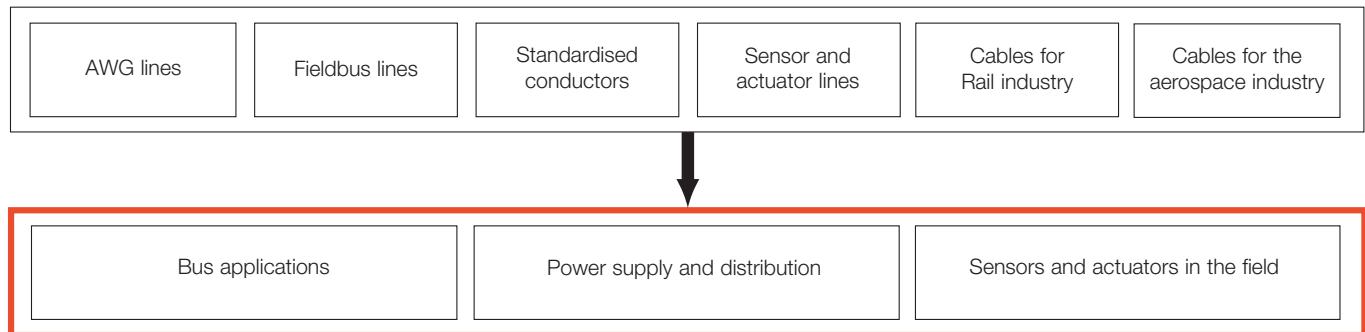
Accessories

Blade set (Qty = 1) Set of stripping blades (Mini Stripax up to April 2003)	Order No. 9006970000	Order No. 9003600000	Order No. 9003610000	Order No. 9003620000	Order No. 9003630000	Order No. 9003640000
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multi-stripax®

Stripping is the name given to the cutting and removal of conductor insulation. When carrying out this task it must be guaranteed that the appropriate length of insulation is removed

and that neither the conductor nor the remaining insulation are damaged in any way. DIN IEC 352 part 2 (formerly DIN IEC 48/290) contains details of the stripping faults to avoid.



The challenge



The solution

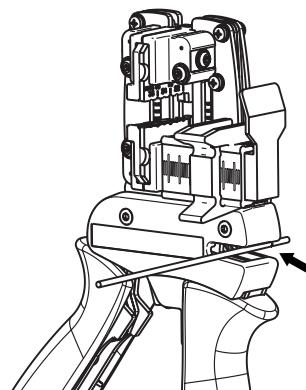


multi-stripax®

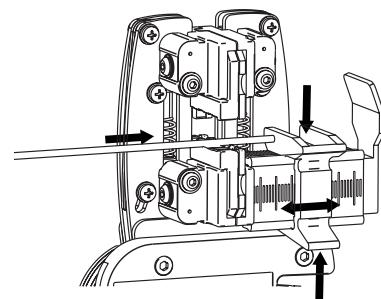
Multifunctional stripping tool for use on a multitude of conductor insulation forms and configurations – even those not covered by the standard

multi-stripax® – the troubleshooter

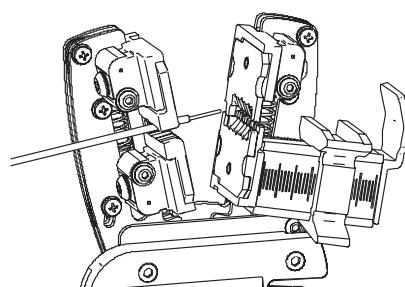
- Interchangeable stripping units
- Proper stripping of any conductor – round, flat or special profiles – thanks to the specially shaped stripping blades
- Incorporates cutting function for up to 2.5 mm² solid and 6 mm² fine
- Non-fatiguing operation thanks to ergonomic design
- No damage to conductor or remaining insulation
- Good stripping results for industrial applications
- Stripping results reproduced accurately time and time again
- A long-lasting, reliable tool thanks to its robust design
- And of course, the customary Weidmüller repair service



Cutting



Positioning



Stripping

Special stripping units – the answer to diverse stripping tasks

The multi-stripax® tool – distinguished by its robust design – was developed to handle all the stripping tasks met with in practice. Thanks to the interchangeable stripping units, a special solution can be found for every challenge in the marketplace. The specially shaped stripping blades guarantee perfect stripping results. The guide plates ensure the correct positioning of the wire and therefore prevent damage to the remaining wire. The clamping jaws hold the conductor with just the right force during the stripping operation and are matched to the specific situation. This flexibility within the variables that affect the result of the stripping operation turns the multi-stripax® tool into a universal troubleshooter.

Stripping and cutting tools

Stripping and cutting tools

- High-quality stripping for industrial applications (complies with the requirements of the aircraft industry)
- Specially shaped stripping blades enable stripping of special types of insulation and conductor configurations
- Adjustable stop for setting stripping length
- Highly flexible thanks to interchangeable stripping units
- Stripping results reproduced accurately time and time again
- No damage to the conductor
- A long-lasting, reliable tool thanks to its robust design
- Integral cutting function

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multi-stripax® 16 SL

Stripping tool for 16 mm² PVC-insulated conductors with special configurations



Stripping tool for 16mm² PVC-insulated conductors with special configurations

- Position 1 (inner) for 16 mm² flexible conductors with complex configurations
- Position 2 (innen) 16 mm² solid, stranded and flexible conductors (not all types)
- Stripping length 7-20 mm (depends on type of conductor)
- Longer stripping lengths possible in several steps
- Adjustable stop for setting stripping lengths from 2.3 to 30 mm
- Integral cutting function for max. 2.5 mm² solid or 6 mm² flexible

multi-stripax® 6-16

Stripping tool for 6, 10, 16mm² PVC-insulated conductors



Stripping tool for 6, 10, 16mm² PVC-insulated conductors

- Position 1 (outer) 6 mm² solid, stranded, flexible
- Position 2 (middle) 10 mm² solid, stranded, flexible
- Position 3 (inner) 16 mm² solid, stranded, flexible (not all types)
- Stripping length 7-20 mm (depends on type of conductor)
- Longer stripping lengths possible in several steps
- Adjustable stop for setting stripping lengths from 2.3 to 30 mm
- Integral cutting function for max. 2.5 mm² solid or 6 mm² flexible

Technical data

Cable type	flexible & solid conductors with PVC insulation	flexible & solid conductors with PVC insulation
Conductor cross-section, min.	16 mm ²	6 mm ²
Conductor cross-section, max.	16 mm ²	16 mm ²
Stripping length, min.	2 mm	2 mm
Stripping length, max.	no limit (in several steps)	no limit (in several steps)
Stripping position 1	16 mm ² solid, stranded, flexible	6 mm ² solid, stranded, flexible
Stripping position 2	16 mm ² solid, stranded, flexible (not all types)	10 mm ² solid, stranded, flexible
Stripping position 3		16 mm ² solid, stranded, flexible (not all types)
Stripping position 4		
Stripping position 5		
Stripping position 6		
max. cutting capacity, fine-strand	6 mm ²	6 mm ²
max. cutting capacity, solid	2.5 mm ²	2.5 mm ²
max. cutting capacity, ribbon	10.2 mm x 4 mm	10.2 mm x 4 mm
Length/Width/Height	250/85/40 mm	250/85/40 mm
Weight	250 g	250 g

Information

Ordering data

Version	Type	Qty.	Order No.
	multi-stripax 16 SL	1	9202220000
SL - special conductor (twisted)			
	multi-stripax 6-16	1	9202210000

Accessories

Information	Type	Qty.	Order No.
	stripping unit PVC 16 mm ² SL	1	9202270000
	cutting blade	1	9203070000
	wire stop-set	1	9203100000
	Stripping unit code C		
Stripping unit code D			
	stripping unit PVC 6, 10, 16mm ²	1	9202260000
	cutting blade	1	9203070000
	wire stop-set	1	9203100000

Stripping and cutting tools

- High-quality stripping for industrial applications (complies with the requirements of the aircraft industry)
- Specially shaped stripping blades enable stripping of special types of insulation and conductor configurations
- Adjustable stop for setting stripping length
- Highly flexible thanks to interchangeable stripping units
- Stripping results reproduced accurately time and time again
- No damage to the conductor
- A long-lasting, reliable tool thanks to its robust design
- Integral cutting function

multi-stripax® ASI

Stripping and cutting tool for ASI cables



Stripping tool for ASI conductors with PTE, PUR and EPDM (rubber) insulation

- Stripping length 7-20 mm (depends on type of conductor)
- Inner position for removing cable sheathing
- Outer position for stripping wires
- Adjustable stop for setting stripping lengths from 2.3 to 30 mm
- Integral cutting function for max. 2.5 mm² solid or 6 mm² flexible

multi-stripax® AWG

Stripping and cutting tool for AWG conductors



Stripping tool for AWG conductors with PVC, PTFE, etc. insulation

- 6 stripping positions for AWG 26 - 16
- Stripping length 7-20 mm (depends on type of conductor)
- Adjustable stop for setting stripping lengths from 2.3 to 30 mm
- Integral cutting function for max. 2.5 mm² solid or 6 mm² flexible

Technical data

Cable type	ASI-EPDM; TPE; PVC
Conductor cross-section, min.	1.5 mm ²
Conductor cross-section, max.	2 mm
Stripping length, min.	no limit (in several steps)
Stripping length, max.	1.5 mm ²
Stripping position 1	1.5 mm ²
Stripping position 2	10.2 mm x 4 mm
Stripping position 3	
Stripping position 4	
Stripping position 5	
Stripping position 6	

max. cutting capacity, fine-strand	6 mm ²
max. cutting capacity, solid	2.5 mm ²
max. cutting capacity, ribbon	10.2 mm x 4 mm

Length/Width/Height	250/85/40 mm
Weight	250 g

Information

Ordering data

Version

Type	Qty.	Order No.
multi-stripax ASI	1	9202250000

Information

Weidmüller ASI cable
Order No. 9455110000 (yellow); 9455120000 (black)

Accessories

Information

Type	Qty.	Order No.
stripping unit for ASI	1	9202300000
cutting blade	1	9203070000
wire stop-set	1	9203100000

Type	Qty.	Order No.
stripping unit for AWG conductor	1	9202280000
cutting blade	1	9203070000
wire stop-set	1	9203100000

Special wire stripper

Special wire stripper

- Quick and accurate stripping
- Positioning of cutting depth not necessary
- No damage to the inner conductor

C

AM ASI



LWL-stripax®



AM ASI

- For ASI-cables with rubber insulation
- Trouble-free cutting of the inner conductor

AM ASI special

- For ASI-cable types TPE- and PUR- isolation
- Easy positioning of the conductor with the integrated wire stop

Stripping and cutting tool for plastic optical fibres with an inner conductor 1 mm Ø

- Stripping length adjustable via wire stop
- Automatic opening of the clamping jaws after stripping

Technical data

Max. stripping performance

Cable model	
Conductor cross-section	mm ²
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Cutting performance

Max. cutting performance	mm ²

Tool data

Length	mm
Weight	g

Information

Ordering data

Version

AM ASI	AM ASI special
ASI-EPDM	ASI-TPE

FO stripax®
POF conductor with an inner conductor of 1 mm Ø

... 1

7.5

Stripping length limitless	POF: polymer optical fibre
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Accessories

Type

Type	Qty.	Order No.
AM ASI	1	9009950000
AM ASI special	1	9009940000

Type	Qty.	Order No.
STRIPAX LWL	1	9003750000

Information

Stripping tool

- Stripping tool for round PVC cables

AM25 / AM35**AM12****AM25:** for round cables Ø 6...25 mm**AM35:** for round cables Ø 25...36 mm

- Insulation can be stripped from any point along the cable
- Pivoting blade for round, lengthwise and spiral cuts
- Retaining bracket with integral blade to break open an incision in the insulation
- Integral spare blade

- Cutting of UTP and STP data cables and other flexible copper cables with a diameter of up to 4 mm² (~AWG11)

- Stripping of the outer insulations of UTP and STP data cables and other round cables with Ø 0.5 ... 12.5 mm
- No damage to the shielding or conductor due to adjustable stripping blade
- Length gauge for repeated stripping lengths

Technical data**Max. cutting performance copper cable**

Cable model	
Conductor cross-section	AWG
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Cutting performance

Max. cutting performance	mm ²
Non-shielded & shielded data cables	mm
Flexible copper cable	mm ²

Tool data

Length	mm
Weight	g

Information**Ordering data****Version****AM25**

PVC round cable

6 ... 25

adjustable up to 4.5 mm

AM35

PVC round cable

25 ... 36

adjustable up to 4.5 mm

AM12

UTP and STP data cables

AWG 20 ... AWG 11

0.5 ... 12.5

adjustable

Type**Qty.****Order No.****AM 25**

1 9001540000

AM 35

1 9001080000

Type**Qty.****Order No.****AM 12**

1 9030060000

Accessories**Type****Qty.****Order No.****Spare blades**

2 9001530000

Type**Qty.****Order No.****Information**

Stripping tool for coaxial cable

Stripping tool for coaxial cable

CST

1-, 2- and 3-level stripping in one operation

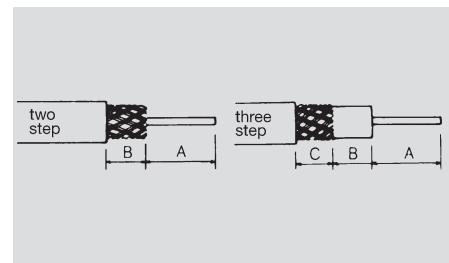
Cutter cassettes for CST

C



Stripping tool for coaxial cable and round (shielded) data cables of 2.5...8 mm Ø

- Fast changeover to other cable types due to adjustable and interchangeable screw holder
- Accompanying setting block allows a quick pre-adjustment of the cutting depth
- Interchangeable cassettes with standard blade settings
- Cutter cassettes usable on both sides



Technical data

Max. cutting performance copper cable

Cable model	
Conductor cross-section	AWG
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Cutting performance

Max. cutting performance	mm ²
Non-shielded & shielded data cables	mm
Flexible copper cable	mm ²

Tool data

Length	mm
Weight	g

Information

Ordering data

Version

CST

coaxial & round data lines

2.5 ... 8

Type	Qty.	Order No.
CST	1	9030500000

Information

Accessories

Information

Colour cutter cassettes	B [mm]	C [mm]
grey	3,9	
red	6,0	
yellow	12,0	
blue	6,5	
green	7,1	5,1
brown	7,5	3,5
orange	8,0	3,7
light green	6,0	6,0
black	8,6	2,3

Dim. A as stated by manufacturer (not defined by tool)

Type	Qty.	Order No.
Setting block	1	9005800000
Screwdriver	1	9005720000
Screw holder	1	9032060000

Colour cutter cassettes	Qty.	Order No.
grey	1	9032050000
red	1	9032040000
yellow	1	9032030000
blue	1	9032020000
green	1	9032000000
brown	1	9032010000
orange	1	9032200000
light green	1	9032210000
black	1	9032220000

Stripping tool for coaxial cable**CST vario**

1-, 2- and 3-level stripping in one operation



Stripping tool for coaxial cable and round
(shielded) data cables of 2.5...8 mm Ø

- Freely adjustable stripping lengths in pitches of 1 mm for shielding and dielectric material (min. stripping length approx. 3.2 mm)
- Fast changeover to other cable types
- max. total stripping length 17 mm
- incl. 3 blades

Technical data**Max. cutting performance copper cable**

Cable model	
Conductor cross-section	AWG
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Cutting performance

Max. cutting performance	mm ²
Non-shielded & shielded data cables	mm
Flexible copper cable	mm ²

Tool data

Length	mm
Weight	g

Information**Ordering data****Version****CST vario**

coaxial & round data lines

2.5 ... 8

17

Type

Type	Qty.	Order No.
CST VARIO	1	9005700000

Information**Accessories****Type**

Type	Qty.	Order No.
Blade holder	1	9005740000
Blade insert	1	9005730000
Screwdriver	1	9005720000

Includes spare blade set (1 set = 3 blades)

Information

Cable stripper**Cable stripper**

- For fast and accurate stripping of cables for damp areas Ø8 - 13 mm, e.g. NYM cable, 3 x 1.5 mm² to 5 x 2.5 mm²
- No need to set cutting depth
- Ideal for working in all kinds of junction boxes

STRIPPER ROUND

Round cable stripper

**STRIPPER ROUND TOP**

Round cable stripper with individual wire stripper



- The universal round cable stripper is ideal for working in all kind of junction boxes.

- with stripper for individual wires, size 0.2 - 4.0 mm²,
- the individual stripping positions are indicated
- with integral cutter
- retractable blade
- clip for attaching tool safely to your clothing

Technical data**Max. stripping performance**

Cable model	
Conductor cross-section	mm ²
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Stripper round

flexible & solid conductors with PVC insulation

8 ... 13

Stripper Round Top

flexible & solid conductors with PVC insulation

0.2 ... 4

8 ... 13

Cutting performance

Max. cutting performance	mm ²
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Tool data

Length	mm	125
Weight	g	47

Length	mm	125
Weight	g	50

Information**Ordering data****Version**

Type	Qty.	Order No.
Stripper round	1	9918040000

Type	Qty.	Order No.
STRIPPER ROUND TOP	1	9918050000

Information**Accessories****Information**

Type	Qty.	Order No.

Type	Qty.	Order No.

Special cable stripper

Special cable and insulation stripper
for data communications systems

STRIPPER PC

Special cable stripper

STRIPPER COAX

Special cable stripper



Special cable and insulation stripper for telecommunications and IT cables,
 • e.g. IBM network cables,
 • printer cables,
 • control cables, etc.
 • for outside diameters 5 - 15 mm
 • for strands and conductors
 0.2 - 4.0 mm² (24 - 12 AWG)

Special cable and insulation stripper
 • for PVC-insulated data, communications and control lines
 • TV antenna cables between 4.8 and 7.5 mm dia.
 • RG 58 / RG 59
 • PVC round cables 3 x 0.75 mm²

Technical data**Max. stripping performance**

Cable model	
Conductor cross-section	mm ²
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm

Stripper PC

Data cable / Telecommunications and IT
0.25 ... 4
5 ... 15

Stripper Coax

coaxial & round data lines
4.8 ... 7.5

Cutting performance

Max. cutting performance	mm ²

Tool data

Length	mm
Weight	g

Stripper PC

125
55

Stripper Coax

97
22

Information**Ordering data****Version**

Type	Qty.	Order No.
STRIPPER PC	1	9918060000

Type	Qty.	Order No.
STRIPPER COAX	1	9918030000

Information**Accessories****Information**

Type	Qty.	Order No.

Type	Qty.	Order No.

Cable knives**Cable knives**

- Simple, fast and accurate stripping of insulation from all customary round cables from Ø 4 to 50 mm.
- Knurled screw at end of handle for setting cutting depth (setting the depth avoid damaging the internal conductors).

SLICER NO 16

Cable cutter 4 - 16 mm Ø

SLICER NO 27

Cable cutter 8 - 28 mm Ø



- Working range: 4 - 16 mm O.D.
- Spare blade in handle
- Specially devised for cables used in wet conditions
- Circular and longitudinal cuts
- Spring-loaded cable grip with thumb guard

- Working range: 8 - 28 mm O.D.
- Spare blade in handle
- Specially devised for cables used in wet conditions
- Circular and longitudinal cuts
- Spring-loaded cable grip with thumb guard

Technical data**Max. stripping performance**

Cable model	mm ²	flexible & solid conductors with PVC insulation	flexible & solid conductors with PVC insulation
Conductor cross-section	mm ²	4 ... 16	8 ... 28
Conductor diameter	mm		
Max. stripping length	mm		
Adjustable depth of cut	mm		

Cutting performance

Max. cutting performance	mm ²
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Tool data

Length	mm	122	122
Weight	g	75	75

Information**Ordering data**

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	SLICER NO 16	1	9918070000	SLICER NO 27	1	9918080000

Information**Accessories**

Type	Qty.	Order No.	Type	Qty.	Order No.
Accessories Slicer No 16-35	2	9201430000	Accessories Slicer No 16-35	2	9201430000

Information

Cable knives

- Simple, fast and accurate stripping of insulation from all customary round cables from Ø 4 to 50 mm.
- Knurled screw at end of handle for setting cutting depth (setting the depth avoid damaging the internal conductors).

SLICER NO 28 TOP

Cable cutter 8 - 28 mm Ø
with hook blade

**SLICER NO 35**

Cable cutter 27 - 37 mm Ø



- | | |
|---|---|
| <ul style="list-style-type: none"> • Working range: 8 - 28 mm O.D. • with hook blade • Spare blade in handle • Specially devised for cables used in wet conditions • Circular and longitudinal cuts • Spring-loaded cable grip with thumb guard | <ul style="list-style-type: none"> • Working range: 27 - 37 mm O.D. • Spare blade in handle • Specially devised for cables used in wet conditions • Circular and longitudinal cuts • Spring-loaded cable grip with thumb guard |
|---|---|

Technical data**Max. stripping performance**

Cable model	flexible & solid conductors with PVC insulation
Conductor cross-section	mm ²
Conductor diameter	mm
Max. stripping length	mm
Adjustable depth of cut	mm
Cutting performance	
Max. cutting performance	mm ²

Tool data

Length	mm	165
Weight	g	85

Information**Ordering data**

Version	Type	Qty.	Order No.
	SLICER NO 28 TOP	1	9918090000

Information**Accessories**

Type	Qty.	Order No.
Accessories Slicer No 16-35	2	9201430000

Information

