

Stripping



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Stripping

C

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.

To avoid mistakes, use a stripping tool matched to the insulation and cross-section 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 faults.

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.

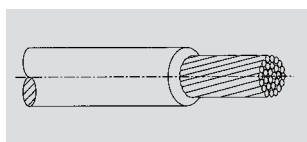
Special insulation types such as Teflon, Silicone and Kapton require special stripping tools. These tools strip the conductor with punch blades.





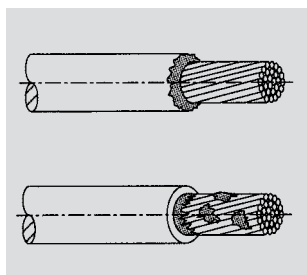
DESIGN PLUS

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



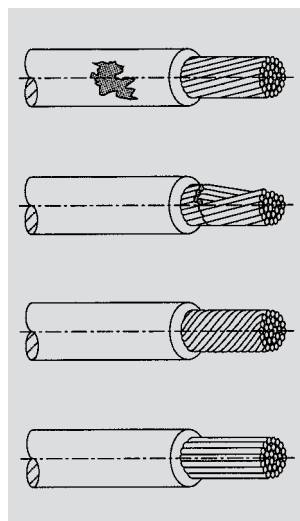
Correctly stripped conductor

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.

Stripping and cutting tools

Stripping and cutting tools

- For flexible and solid conductors with PVC insulation
- Cable with double insulation in two processing steps without special adjustment
- Automatic opening of clamping jaws after stripping
- No play in self-adjusting cutting unit
- Long-lasting
- No splicing of single conductors
- Optimised ergonomic design
- Stripping length adjustable via stop
- Adjustable for different insulation thicknesses

stripax®

0.08 - 6 mm²



stripax® 16

6 - 16 mm²



- Stripping: PVC insulated flexible conductor, size 0.08...6 mm² (~AWG 28...10)
- Cutting: PVC insulated flexible conductor, size 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 and even multiple conductors in one operation

- Stripping: PVC insulated flexible and solid conductors (~AWG 10...6)
- Cutting: PVC insulated flexible and solid conductors, up to 6 mm² (AWG 10)
- No damaging of the conductor due to special blade forms



Technical data

Max. stripping performance	
Cable type	
Conductor cross-section	mm ²
Stripping length, max.	mm
Cutting performance	
Max. cutting performance	mm ²
Tool data	
Length	mm
Weight	g
Note	

STRIPAX		
Flexible and solid conductors with PVC insulation		
Conductor cross-section	mm ²	0.08...6
Stripping length, max.	mm	20
Max. cutting performance	mm ²	6
Length	mm	190
Weight	g	155
Note		

STRIPAX 16		
Flexible and solid conductors with PVC insulation		
Conductor cross-section	mm ²	6...16
Stripping length, max.	mm	20
Max. cutting performance	mm ²	6
Length	mm	190
Weight	g	155
Note		

Ordering data

Version
Note

Type	Qty	Order No.
STRIPAX	1	9054030000

Type	Qty	Order No.
STRIPAX 16	1	9054080000

Accessories

Type	Qty	Order No.
Spare stripping blades	1	9054030000
Cleaning brush	5	9005450000
Note		

Type	Qty	Order No.
Spare stripping blades	1	9054030000
Cleaning brush	5	9005450000

Type	Qty	Order No.
Spare stripping blades	1	9054080000
Cleaning brush	5	9005450000

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

Mini-duro-stripax

Blade set



Technical data

Max. stripping length	
Stripping diameter max. cutting performance	mm
Tool data	
Length	mm
Weight	g
Selection of blade sets	
	Colour blade set
	mm (min./max.)
	AWG
	mm ²
	Insulation material

Mini-duro-stripax					
3-7					
2.2					
135					
110					
white	yellow	red	green	blue	black
0.3-1.3	0.2-0.3	0.3-0.5	0.55-0.8	0.88-0.92	1.0-1.21
28 ... 18	32/1, 32/7, 30/1, 30/7	28/1, 28/7, 28/19, 26/1, 26/7, 26/19, 24/1	24/7, 24/19, 22/1, 22/7, 22/19, 20/1	20/7, 20/19	18/1, 18/7, 18/19

Information

Ordering data

Tools with blade set
Tool with all blade sets

Order No. 9001280000	Order No. 9003700000	Order No. 9003710000	Order No. 9003720000	Order No. 9003730000	Order No. 9003740000
Order No. 9003500000					

Accessories

Blade set
Set of stripping blades (Mini Stripax up to April 2003)
Information

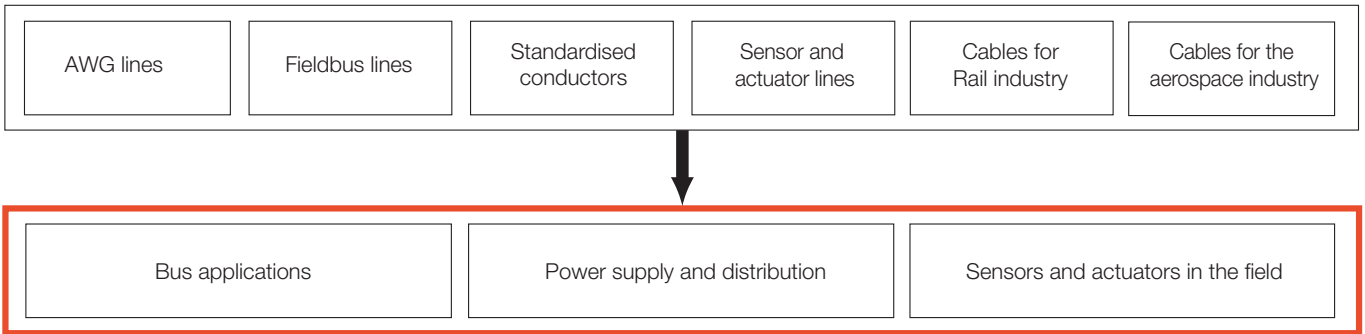
Order No. 9006970000	Order No. 9003600000	Order No. 9003610000	Order No. 9003620000	Order No. 9003630000	Order No. 9003640000
Order No. 9001290000					

multi-stripax®

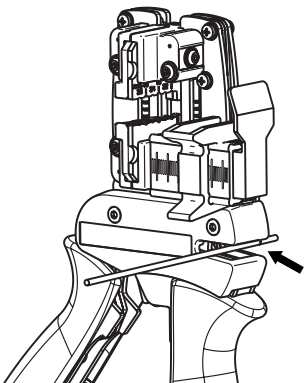
Stripping is the name given to the cutting and removal of conductor insulation. When carrying out this task it must be guaranteed that the appropriate length of insulation is removed and that neither the conductor nor the remaining insulation are damaged in any way.

DIN IEC 352 part 2 (formerly DIN IEC 48/290) contains details of the stripping faults to avoid.

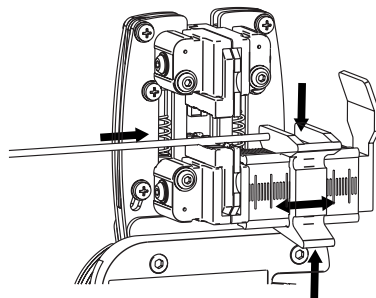
The challenge



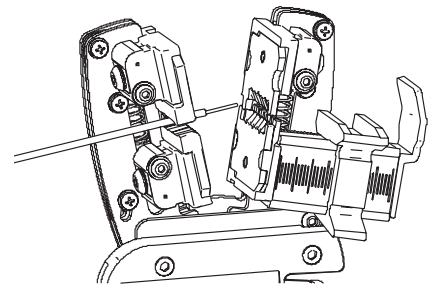
Cutting



Positioning



Stripping



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

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 multi-stripax®

- Specially shaped stripping blades enable stripping of special types of insulation and conductor configurations
- High-quality stripping for industrial applications
- Stripping results reproduced accurately time and time again
- A long-lasting, reliable tool thanks to its robust design
- Optimized ergonomic design
- No damage to the conductor or insulation
- Highly flexible thanks to interchangeable stripping units
- Adjustable stop for setting stripping lengths from 2.3 to 30 mm
- The stripping length can be increased by repeating the stripping process.
- Integral cutting function for max. 2.5 mm² solid or 6 mm² flexible

multi-stripax®



Technical data

Cable type	PVC, Teflon, PTE, PUR, silicone, halogen-free
Conductor cross-section, min.	2 mm
Conductor cross-section, max.	no limit (in several steps)
max. cutting capacity, fine-strand	6 mm ²
max. cutting capacity, solid	2.5 mm ²
max. cutting capacity, ribbon	10.2 x 4 mm
Length/Width/Height	250 / 85 / 40 mm
Weight	250 g
Information	



Ordering data

Type	Conductor	Insulation	Shaped blade	Code	Qty.	Order No.
multi-stripax 16 SL stripping unit multi-stripax 16 SL	16 mm ² Standard stranded	PVC		C	1 1	9202220000 9202270000
multi-stripax 6-16 stripping unit multi-stripax 6-16	6 mm ² 10 mm ² 16 mm ² solid stranded flexible	PVC		D	1 1	9202210000 9202260000
multi-stripax ASI stripping unit multi-stripax ASI	ASI cable 1.5 mm ²	PTE PUR EPDM		B	1 1	9202250000 9202300000
multi-stripax AWG stripping unit multi-stripax AWG	AWG 26 AWG 24 AWG 22 AWG 20 AWG 18 AWG 16	PTFE PVC		A	1 1	9202230000 9202280000
multi-stripax 0.75-4 ² SL stripping unit multi-spx 0.75-4 ² SL	0.75 mm ² 1 mm ² 1.5 mm ² 2.5 mm ² 4 mm ²	PVC halogen-free		H	1 1	9203610000 9203730000
multi-stripax 0.25-1.5S stripping unit M-SPX 0.25-1.5 S	0.25 mm ² 0.5 mm ² 0.75 mm ² 1 mm ² 1.5 mm ²	PVC halogen-free		I	1 1	9204540000 9204550000
multi-stripax 1.5-6.0S stripping unit M-SPX 1.5-6.0 S	1.5 mm ² 2.5 mm ² 4 mm ² 6 mm ²	PVC halogen-free		J	1 1	9204560000 9204570000

Information

Accessories

Type	Description	Qty.	Order No.
ERME MULTI-STRIPAX	cutting blade	1	9203070000
ERAN MULTI-STRIPAX	wire stop-set	1	9203100000

Information

Special stripping tools

Special stripping tools

- Quick and accurate stripping
- No need to adjust cutting depth
- No damage to inner conductors

AM ASI / AM ASI-Spezial



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

LWL-stripax



Stripping and cutting tool for plastic fibre-optic cables with 1-mm diameter inner conductor

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

Technical data

Max. stripping performance	
Cable type	
Conductor diameter	-
Stripping length, max.	-
Tool data	
Length	mm
Weight	g
Note	

AM ASI	AM ASI special
ASI-EPDM	ASI-TPE
Length	125
Weight	50
	160
	120
Limitless stripping length	

M-D-STRIPAX LWL	
POF conductor with an inner conductor of 1 mm Ø	
...1	
7.5	
135	
110	
POF: polymer optical fibre	

Ordering data

Version	
Note	

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

Type	Qty	Order No.
M-D-STRIPAX LWL	1	9003750000

Accessories

Type	
Note	

Type	Qty	Order No.

Type	Qty	Order No.
Spare stripping blades	1	9003760000

Sheathing strippers

- Sheathing stripper for round PVC cables

AM 25 / AM 35

AM 25: Ø 6...25 mm; AM 35: Ø 25...36 mm



- Pivoting blade for circumferential, lengthwise and spiral cuts
- Retaining bracket with integrated blade to break open an incision in the insulation
- Integrated spare blade



Technical data

Max. stripping performance	
Cable type	
Conductor cross-section	-
Conductor diameter	mm
Depth of cut	
Cutting performance	
UTP und STP data cables, max. diameter	-
Flexible (max. conductor cross-section)	-
Tool data	
Length	mm
Weight	g
Note	

Ordering data

Version
Note

Accessories

Type	Qty	Order No.
Spare blades	2	9001530000
Sheathing stripper		
Note		

AM 12

For UTP and STP data cables



- 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 insulation 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 end stop for repeated cutting or stripping lengths

AM 12	
Cable type	UTP and STP data cables
Conductor cross-section	AWG 20...11
Conductor diameter	0.5...12.5
Depth of cut	adjustable
	8
	4
	97
	36
Note	

Type	Qty	Order No.
AM 12	1	9030060000
Note		

Type	Qty	Order No.
Sheathing stripper		
Note		

Stripping tools

Sheathing strippers

- Sheathing stripper for PVC cables
- Insulation can be stripped from any point along the cable
- Opening of slit insulation by means of integrated cutter



product
design
award

2008



AM 16

For round cable, Ø 6...17 mm



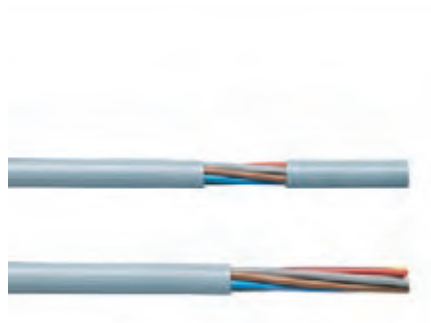
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AMF 6/10

For ribbon cable, 6 mm² and 10 mm²



- Especially suitable for stripping cables in the cable duct, too



Technical data

Max. stripping performance	
Cable type	
Conductor cross-section	-
Conductor diameter	mm
Depth of cut	
Cutting performance	
UTP und STP data cables, max. diameter	mm
Flexible (max. conductor cross-section)	mm ²
Tool data	
Length	mm
Weight	g
Note	

AM 16		
Cable type	PVC round cable	
Conductor diameter	6...17	
Depth of cut	0.8 - 2.5 mm	
Tool data		
Length	53	
Weight	60	
Note		

AMF 6/10		
Cable type	PVC ribbon cable	
Depth of cut	0 - 4.0 mm	
Tool data		
Length	110	
Weight	115	
Note		

Ordering data

Version
Note

Type	Qty	Order No.
AM 16	1	9204190000

Type	Qty	Order No.
AMF 6/10	1	9204180000

Accessories

Type	Qty	Order No.
Spare blade	1	9204260000
Note		

Type	Qty	Order No.
Spare blade	1	9204260000
Sheathing stripper		

Type	Qty	Order No.
Spare blade	1	9204250000
Sheathing stripper		

Stripping tool for coaxial cable

Sheathing strippers for coaxial cable

- For coaxial cable and round (shielded) data cables from 2.5 to 8mm diameter
- 1-, 2- and 3-level stripping in one step
- Fast changeover to other cable types thanks to adjustable interchangeable screw holder
- Colour-coded replaceable cassettes with preset stripping lengths for standard coax cable. Refer to the table.
- Setting block (included) permits quick presetting of cutting depths
- Blade cassettes can be used on both sides

CST / IE-CST

ø 2.5...8 mm



- RG 58 and RG 71
- RG 59 and RG 62
- Antenna cable
- Profibus cable
- Ethernet cable

Cutter cassettes for CST



Technical data

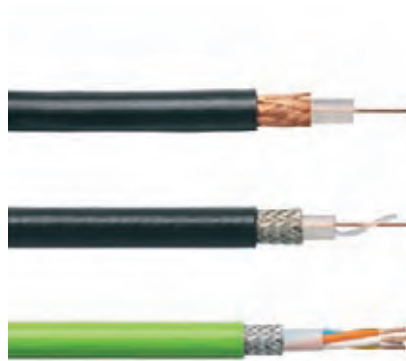
Max. stripping performance	
Cable type	
Conductor diameter	mm
Stripping length, max.	-
Tool data	
Length	mm
Weight	g
Note	

Ordering data

Version
Note

Accessories

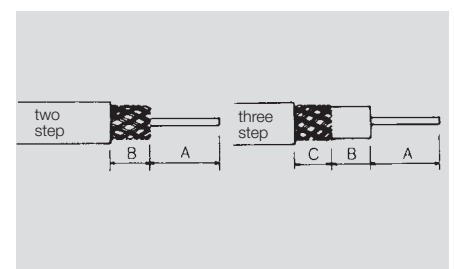
Type	Qty	Order No.
Screw holder	1	9032060000
Screwdriver	1	9005720000
Setting block	1	9005800000
Dimension A: as specified by connector manufacturer (not defined by tool)		
Note		



CST	IE-CST
Coaxial & round data cables	Coaxial & round data cables
2.5...8	2.5...8
100	100
65	85
Note	

Type	Qty	Order No.
CST	1	9030500000
IE-CST	1	9204350000
IE-CST incl. cutter cassette, for Weidmüller ethernet cables.		

Type	Qty	Order No.
Screw holder	1	9032060000
Screwdriver	1	9005720000
Setting block	1	9005800000
Dimension A: as specified by connector manufacturer (not defined by tool)		
Note		



Colour cutter cassettes	B [mm]	C [mm]
grey	3.9	
red	6.0	
yellow	12.0	
blue	6.5	
white	8.6	
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)

Colour cutter cassettes	Qty.	Order No.
grey	1	9032050000
red	1	9032040000
yellow	1	9032030000
blue	1	9032020000
white	1	9204340000
green	1	9032000000
brown	1	9032010000
orange	1	9032200000
light green	1	9032210000
black	1	9032220000

Sheathing strippers for coaxial cable

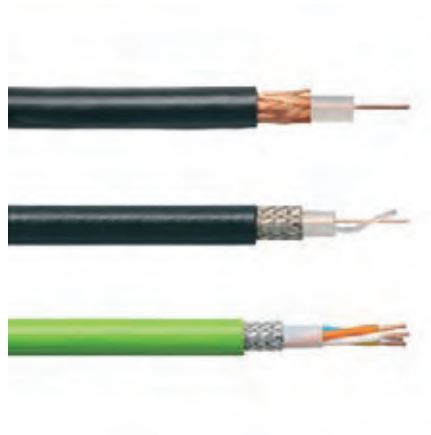
- For coaxial cable and round (shielded) data cables from 2.5...8mm diameter
- 1-, 2- and 3-level stripping in one step
- Adjustable stripping lengths in 1-mm steps for meshwork and dielectric materials (min. stripping length approx. 3.2 mm)
- Fast changeover to other cable types
- max. stripping length 17 mm
- incl. 3 blades

CST vario

ø 2.5...8 mm



- RG 58 and RG 71
- RG 59 and RG 62
- Antenna cable
- Profibus cable
- Ethernet cable



Technical data

Max. stripping performance	
Cable type	
Conductor diameter	mm
Stripping length, max.	mm
Tool data	
Length	mm
Weight	g
Note	

CST VARIO		
Coaxial & round data cables		
2.5...8		
17		
116		
76		
Note		

Ordering data

Version
Note

Type	Qty	Order No.
CST VARIO	1	9005700000
Note		

Accessories

Note

Type	Qty	Order No.
Screwdriver	1	9005720000
Blade holder	1	9005740000
Blade insert	1	9005730000
Includes spare blade set (1 set = 3 blades)		
Note		

Cable stripper

Cable sheathing stripper

- For fast and accurate stripping of damp-proof cables for \varnothing 8 - 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 junction and distribution boxes

Stripper round

Round cable stripper



- Damp-proof cable \varnothing 8...13 mm



Stripper round top

Round cable stripper with individual wire stripper



- Damp-proof cable \varnothing 8...13 mm
- With stripper for individual wires from 0.2 to 4.0 mm²
- With integrated longitudinal cutter
- Retractable internal blade



Technical data

Max. stripping performance	
Cable type	
Conductor cross-section	mm ²
Conductor diameter	mm
Tool data	
Length	mm
Weight	g
Note	

Ordering data

Version
Note

Stripper round		
Flexible and solid conductors with PVC insulation		
8...13		
125		
47		
Note		

Type	Qty	Order No.
Stripper round	1	9918040000
Note		

Stripper Round Top		
Flexible and solid conductors with PVC insulation		
0.2...4		
8...13		
125		
50		
Note		

Type	Qty	Order No.
STRIPPER ROUND TOP	1	9918050000
Note		

Special cable sheathing stripper

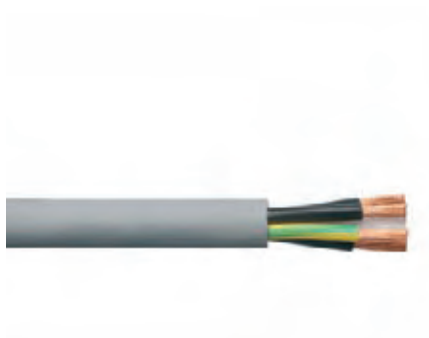
Insulation stripping tool for data communication systems

Stripper PC

Special cable stripper



- Cable diameter Ø 5...15 mm
- For wire strands and conductors from 0.2 to 4.0 mm² (24 - 12 AWG)
- For data cable in telecommunications and IT sectors
- IBM network cable
- Printer cable
- Control cable

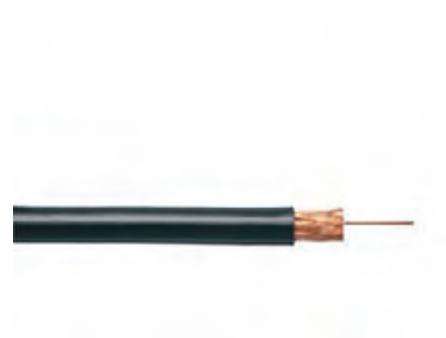


Stripper Coax

Special cable stripper



- Cable diameter Ø 4.8...7.5 mm
- For PVC-insulated data-communication and control cables
- RG 58 / RG 59
- TV antenna cables between 4.8 and 7.5 mm diameter
- PVC round cable 3 x 0.75 mm²



Technical data

Max. stripping performance	
Cable type	
Conductor cross-section	mm ²
Conductor diameter	mm
Tool data	
Length	mm
Weight	g
Note	

Stripper PC		
Data cable / telecommunications and IT		
0,25...4		
5...15		
125		
55		
Note		

Stripper Coax		
Coaxial & round data cables		
4.8...7.5		
97		
22		
Note		

Ordering data

Version
Note

Type	Qty	Order No.
STRIPPER PC	1	9918060000
Note		

Type	Qty	Order No.
STRIPPER COAX	1	9918030000
Note		

Cable knives

Cable knives

- Simple, fast and accurate stripping of insulation from all standard round cables from 4 to 37 mm in diameter
- Circumferential and longitudinal cuts with automatic rotary blade
- Knurled screw at end of handle for setting cutting depth
- Spring-loaded cable retaining clip with thumb guard
- Spare blade in handle

Slicer NO 16

Cable cutter 4-16 mm ø



- Operating range: 4 - 16 mm outer diameter



Slicer NO 27

Cable cutter 8-28 mm ø



- Operating range: 8 - 28 mm outer diameter



Technical data

Max. stripping performance	
Cable type	
Conductor diameter	mm
Tool data	
Length	mm
Weight	g
Note	

Flexible and solid conductors with PVC insulation
4...16
122
75

Flexible and solid conductors with PVC insulation
8...28
122
75

Ordering data

Version

Type	Qty	Order No.
SLICER NO 16	1	9918070000

Type	Qty	Order No.
SLICER NO 27	1	9918080000

Note

Accessories

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

Slicer NO 28 TOP

Cable cutter 8-28 mm ø
with hook blade



- Operating range: 8 - 28 mm outer diameter

Slicer No 35

Cable cutter 27-37 mm ø

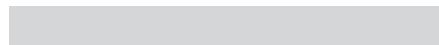


- Operating range: 27 - 37 mm outer diameter



Flexible and solid conductors with PVC insulation
8...28
165
85

Type	Qty	Order No.
SLICER NO 28 TOP	1	9918090000

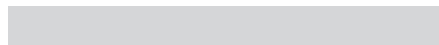


Type	Qty	Order No.
Accessories Slicer No 16-35	2	9201430000



Flexible and solid conductors with PVC insulation
27...37
150
106.5

Type	Qty	Order No.
SLICER NO 35	1	9918100000



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

