

# 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.

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.

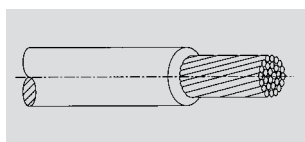
stripax® stripping tools guarantee a consistent stripping result which complies with DIN regulations. The tools are rated for standard dimension PVC insulation. Any PVC insulation thicknesses deviating from normal can be set manually. The conductor stopper and integrated wire cutter allow highly versatile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



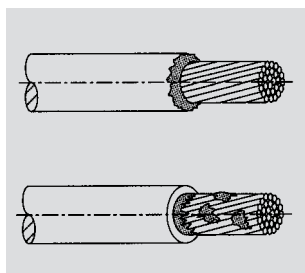


DIN IEC 60352 part 2 contains references to stripping faults which must be avoided:



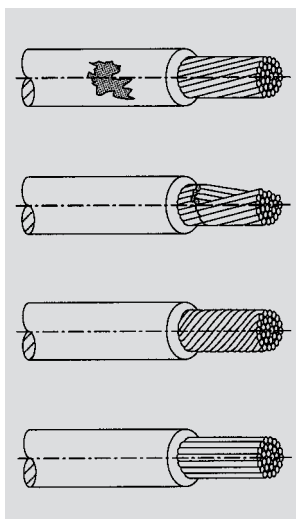
**Correctly** stripped conductor

#### 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
- switchable partial stripping function
- Removable handle shells
- Fold-out cutting protection
- Custom marking with ESG device markers

### stripax®

0.08 - 10 mm<sup>2</sup>

n



- Stripping: PVC insulated flexible conductor, size 0.08...10 mm<sup>2</sup> (~AWG 28...7)
- Cutting: PVC insulated flexible conductor, size 0.08...6 mm<sup>2</sup> (~AWG 28...10)
- Conductors undamaged due to special self adjusting stripping blades.
- Processing of multi-conductors, with thin flat ribbon cables and even multiple conductors in one operation



### stripax® 16

6 - 16 mm<sup>2</sup>

n



- Stripping: PVC insulated flexible and solid conductors (~AWG 10...6)
- Cutting: PVC insulated flexible and solid conductors, up to 6 mm<sup>2</sup> (AWG 10)
- Conductors undamaged due to special self adjusting stripping blades.



### Technical data

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

### Ordering data

Version
Note

### Accessories


stripax®		
Flexible and solid conductors with PVC insulation		
0.08...10		
25		
6		
190		
175		

Type	Qty.	Order No.
stripax®	1	9005000000

Type	Qty.	Order No.
Spare stripping blades	1	1119030000

stripax® 16		
Flexible and solid conductors with PVC insulation		
6...16		
25		
6		
190		
175		

Type	Qty.	Order No.
stripax® 16	1	9005610000

Type	Qty.	Order No.
Spare stripping blades	1	1119040000

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 stripping 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
<b>Tool data</b>	
Length	mm
Weight	g
<b>Selection of blade sets</b>	
	Colour blade set
	Conductor diameter mm (min./max.)
	AWG
	mm <sup>2</sup>
	Insulation material

Information

Ordering data

Tools with blade set
Tool with all blade sets

Accessories

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

Information

<b>Mini-duro-stripax</b>					
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
≈ 0.08 ... 1.0					
PVC / silicone	PTFE	PTFE	PTFE	PTFE	PTFE

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

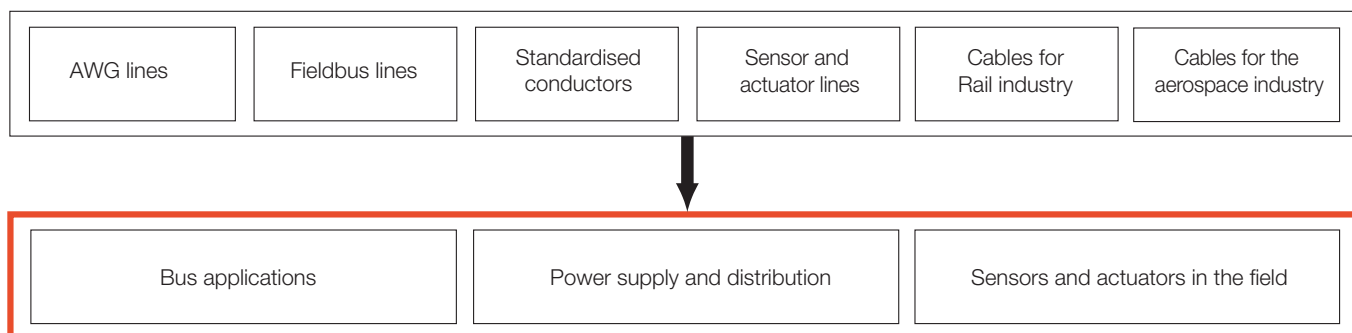
Order No. 9006970000	Order No. 9003600000	Order No. 9003610000	Order No. 9003620000	Order No. 9003630000	Order No. 9003640000
9001290000					

# multi-stripax®

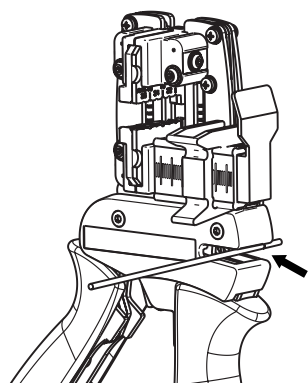
Stripping is the name given to the cutting and removal of conductor insulation. When carrying out this task it must be guaranteed that the appropriate length of insulation is removed and that neither the conductor nor the remaining insulation are damaged in any way.

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

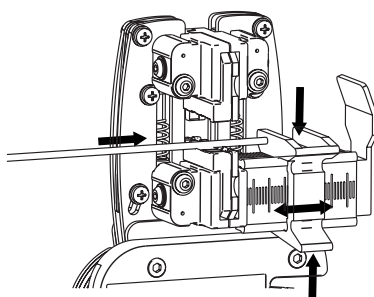
## The challenge



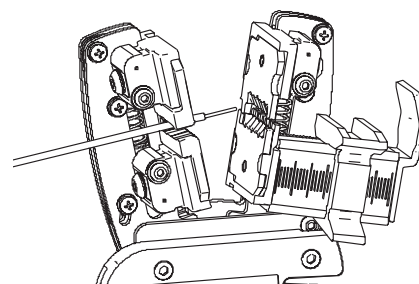
## Cutting



## 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 mm<sup>2</sup> solid and 6 mm<sup>2</sup> 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
- Plus, 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
- Optimised 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 mm<sup>2</sup> solid or 6 mm<sup>2</sup> flexible cables

### 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 <sup>2</sup>
max. cutting capacity, solid	2.5 mm <sup>2</sup>
max. cutting capacity, ribbon	10.2 x 4 mm
Length/Width/Height	250 / 85 / 40 mm
Weight	250 g
<b>Information</b>	



## Ordering data

Type	Conductor	Insulation	Shaped blade	Code	Qty.	Order No.
multi-stripax 16 SL stripping unit multi-stripax 16 SL	16 mm <sup>2</sup> Standard stranded	PVC		C	1 1	9202220000 9202270000
multi-stripax 6-16 stripping unit multi-stripax 6-16	6 mm <sup>2</sup> 10 mm <sup>2</sup> 16 mm <sup>2</sup> solid stranded flexible	PVC		D	1 1	9202210000 9202260000
multi-stripax ASI stripping unit multi-stripax ASI	ASI cable 1.5 mm <sup>2</sup>	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 <sup>2</sup> SL stripping unit multi-spax 0.75-4 <sup>2</sup> SL	0.75 mm <sup>2</sup> 1 mm <sup>2</sup> 1.5 mm <sup>2</sup> 2.5 mm <sup>2</sup> 4 mm <sup>2</sup>	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 <sup>2</sup> 0.5 mm <sup>2</sup> 0.75 mm <sup>2</sup> 1 mm <sup>2</sup> 1.5 mm <sup>2</sup>	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 <sup>2</sup> 2.5 mm <sup>2</sup> 4 mm <sup>2</sup> 6 mm <sup>2</sup>	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

## Stripping tools

### 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 circular, longitudinal and spiral cuts
- Retaining clip 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	

AM 25	AM 35
PVC round cable	PVC round cable
6...25	25...36
adjustable up to 4.5 mm	adjustable up to 4.5 mm
Tool data	
Length	135
Weight	135
Note	

### Ordering data

Version
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Type	Qty	Order No.
AM 25	1	9001540000
AM 35	1	9001080000

Note
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### Accessories

Type
Note

Type	Qty	Order No.
Spare blades	2	9001530000
Sheathing stripper		

### AM 12

For UTP and STP data cables



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

<b>AM 12</b>
UTP and STP data cables
AWG 20...11
0.5...12.5
adjustable
8
4
97
36

Type	Qty	Order No.
AM 12	1	9030060000

Note
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Type	Qty	Order No.
Sheathing stripper		

## 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**

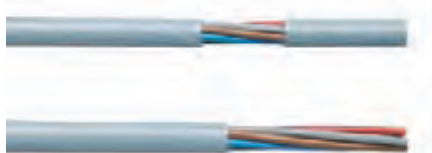
**For round cable, Ø 6...17 mm**



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

AMF 6/10

**For ribbon cable, 6 mm<sup>2</sup> and 10 mm<sup>2</sup>**



## Technical data

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

## Ordering data

Version	
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**Note**

## Accessories

#### Note

## AM 16

PVC round cable
6...17
0.8 - 2.5 mm
53
60

Type	Qty	Order No.
AM 16	1	9204190000

Type	Qty	Order No.
Spare blade	1	9204260000
Sheathing stripper		

## AMF 6/10

PVC ribbon cable
0 - 4.0 mm
110
115

Type	Qty	Order No.
AMF 6/10	1	9204180000

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	

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

### Ordering data

Version
Note

### Accessories

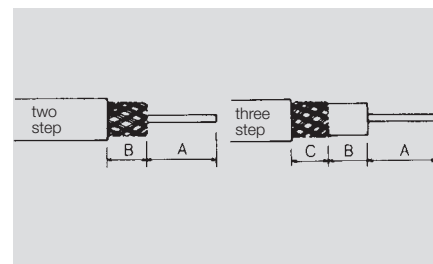
Note
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Type	Qty	Order No.
CST	1	9030500000
IE-CST	1	9204350000

IE-CST including blade cartridge, adjusted to Weidmüller Ethernet cable  
CST not including blade cartridge

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)



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	

## Ordering data

Version
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Note

## Accessories

|--|

Note

## CST VARIO

Coaxial & round data cables
2.5...8
17
116
76

Type	Qty	Order No.
CST VARIO	1	9005700000

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

## CST Vario blade holder



## Ordering data

Type	Qty	Order No.
CST VARIO BLADE HOLDER	1	9005740000

## CST Vario blade insert



## Ordering data

Type	Qty	Order No.
CST VARIO BLADE INSERT	1	9005730000

## CST Screwdriver



## Ordering data

Type	Qty	Order No.
CST SCREWDRIVER	1	9005720000

## Setting block CST



## Ordering data

Type	Qty	Order No.
CST SETTING BLOCK	1	9005800000

## Screw holder CST



## Ordering data

Type	Qty	Order No.
CST SCREW HOLDER	1	9032060000

