



Stripping

Stripping

| | |
|----------------------------------|------|
| Introduction | C.2 |
| Stripping and cutting tools | C.4 |
| Stripping tool | C.10 |
| Stripping tool for coaxial cable | C.12 |

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.

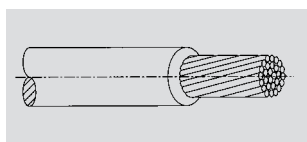
stripax® stripping tools guarantee a consistent stripping result which complies with DIN regulations. The tools are rated for standard dimension PVC insulation. Any PVC insulation thicknesses deviating from normal can be set manually. The conductor stopper and integrated wire cutter allow highly versatile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



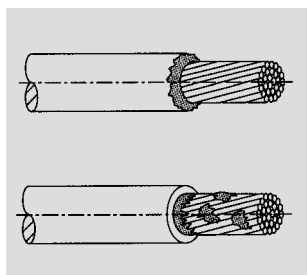


DIN IEC 60352 part 2 contains references to stripping faults which must be avoided:



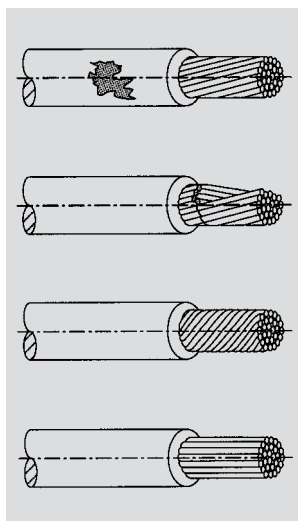
Correctly stripped conductor

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 mm²



stripax® 16

6 - 16 mm²



- Stripping: PVC insulated flexible conductor, size 0.08...10 mm² (~AWG 28...7)
- Cutting: PVC insulated flexible conductor, size 0.08...6 mm² (~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

- Stripping: PVC insulated flexible and solid conductors (~AWG 10...6)
- Cutting: PVC insulated flexible and solid conductors, up to 6 mm² (AWG 10)
- Conductors undamaged due to special self adjusting stripping blades.



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...10 |
| Stripping length, max. | mm | 25 |
| Max. cutting performance | mm ² | 6 |
| Length | mm | 190 |
| Weight | g | 175 |
| Note | | |

| stripax® 16 | | |
|---|-----------------|--------|
| Flexible and solid conductors with PVC insulation | | |
| Conductor cross-section | mm ² | 6...16 |
| Stripping length, max. | mm | 25 |
| Max. cutting performance | mm ² | 6 |
| Length | mm | 190 |
| Weight | g | 175 |
| Note | | |

Ordering data

| Version |
|-------------|
| |
| Note |

| Type | Qty. | Order No. |
|-------------|------|------------|
| stripax® | 1 | 9005000000 |
| Note | | |

| Type | Qty. | Order No. |
|-------------|------|------------|
| stripax® 16 | 1 | 9005610000 |
| Note | | |

Accessories

| Type | Qty. | Order No. |
|------------------------|------|------------|
| Spare stripping blades | 1 | 1119030000 |
| Note | | |

| Type | Qty. | Order No. |
|------------------------|------|------------|
| Spare stripping blades | 1 | 1119030000 |
| Note | | |

| Type | Qty. | Order No. |
|------------------------|------|------------|
| Spare stripping blades | 1 | 1119040000 |
| Note | | |

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 |
| Tool data | |
| Length | mm |
| Weight | g |
| Selection of blade sets | |
| | Colour blade set |
| | Conductor diameter 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 |
| ≈ 0.08 ... 1.0 | | | | | |
| PVC / silicone | PTFE | PTFE | PTFE | PTFE | PTFE |

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 |

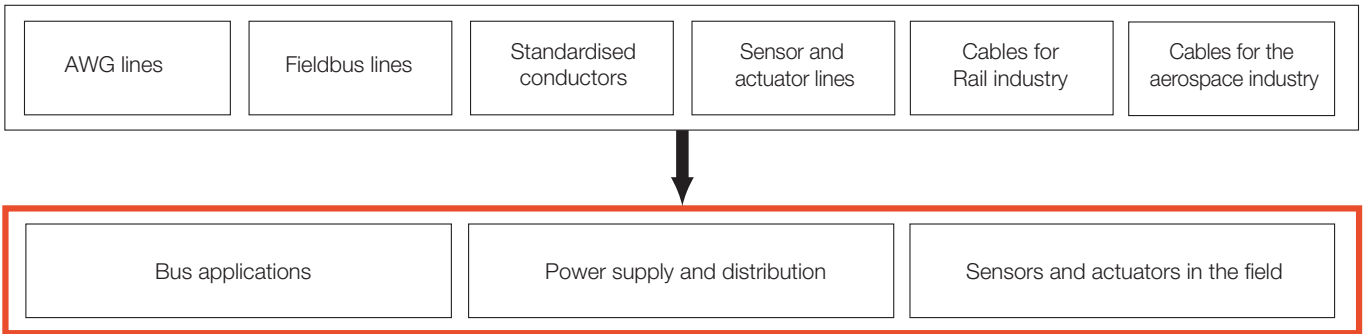
| | | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Order No. 9006970000 | Order No. 9003600000 | Order No. 9003610000 | Order No. 9003620000 | Order No. 9003630000 | Order No. 9003640000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

multi-stripax®

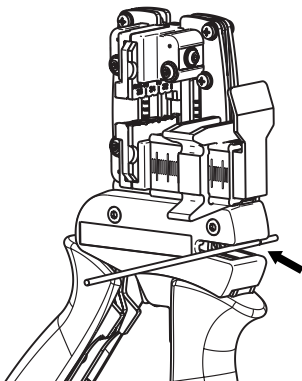
Stripping is the name given to the cutting and removal of conductor insulation. When carrying out this task it must be guaranteed that the appropriate length of insulation is removed and that neither the conductor nor the remaining insulation are damaged in any way.

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

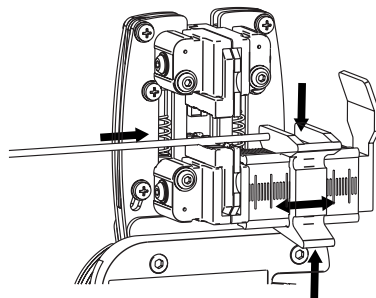
The challenge



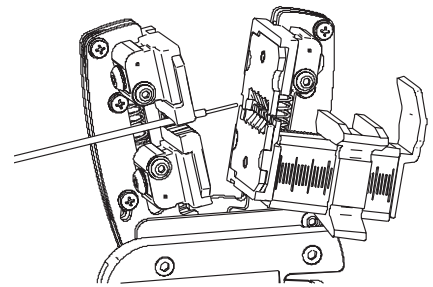
Cutting



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
- 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.

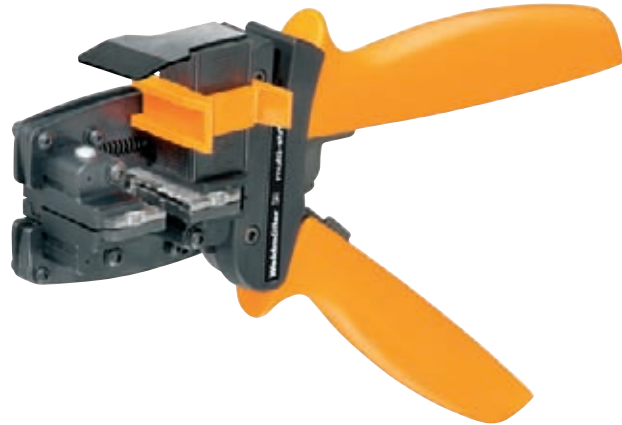


Stripping and cutting tools

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 mm² solid or 6 mm² 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 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

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 | |

Ordering data

| Version |
|---------|
| |
| Note |
| |

Accessories

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

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

| 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 | |
| Type | Qty | Order No. |
| AM 25 | 1 | 9001540000 |
| AM 35 | 1 | 9001080000 |
| Note | | |

| AM 12 | | |
|-------------------------|-----|------------|
| UTP and STP data cables | | |
| AWG 20...11 | | |
| 0.5...12.5 | | |
| adjustable | | |
| Type | Qty | Order No. |
| AM 12 | 1 | 9030060000 |
| Note | | |

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

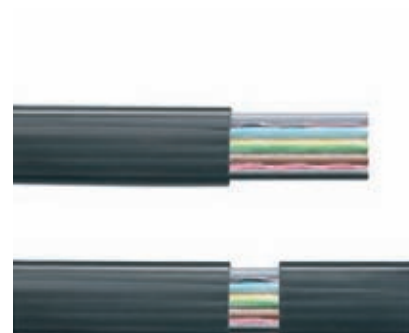
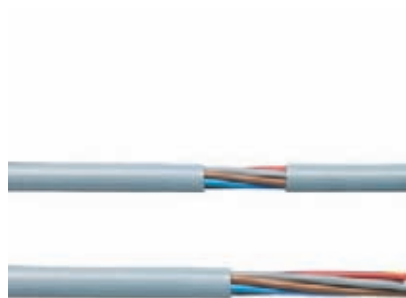
For round cable, Ø 6...17 mm



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

AMF 6/10

For ribbon cable, 6 mm² and 10 mm²



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 | |
| Cutting performance | | |
| UTP und STP data cables, max. diameter | mm | |
| Flexible (max. conductor cross-section) | mm ² | |
| Tool data | | |
| Length | 53 | |
| Weight | 60 | |
| Note | | |

| AMF 6/10 | | |
|---|------------------|--|
| Cable type | PVC ribbon cable | |
| Conductor diameter | 0 - 4.0 mm | |
| Cutting performance | | |
| UTP und STP data cables, max. diameter | mm | |
| Flexible (max. conductor cross-section) | mm ² | |
| Tool data | | |
| Length | 110 | |
| Weight | 115 | |
| Note | | |

Ordering data

| Version |
|---------|
| |

| Type | Qty | Order No. |
|-------|-----|------------|
| AM 16 | 1 | 9204190000 |

| Type | Qty | Order No. |
|----------|-----|------------|
| AMF 6/10 | 1 | 9204180000 |

Note

Accessories

| Type | Qty | Order No. |
|--------------------|-----|------------|
| Spare blade | 1 | 9204260000 |
| Sheathing stripper | | |
| Note | | |

| Type | Qty | Order No. |
|--------------------|-----|------------|
| Spare blade | 1 | 9204260000 |
| Sheathing stripper | | |
| Note | | |

| Type | Qty | Order No. |
|--------------------|-----|------------|
| Spare blade | 1 | 9204250000 |
| Sheathing stripper | | |
| Note | | |

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

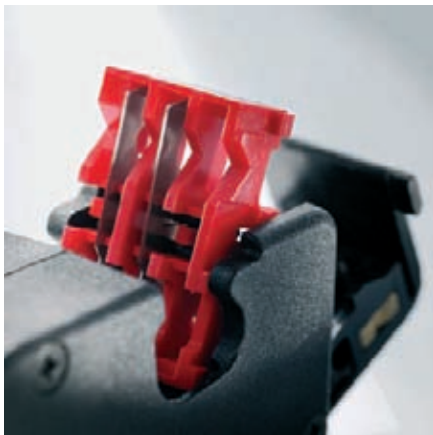
CST / IE-CST

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

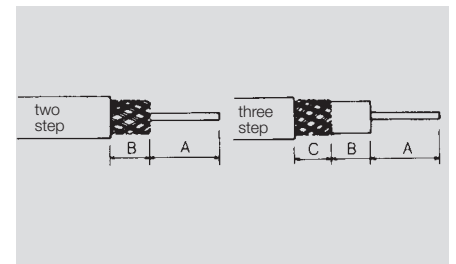
| Type | Qty | Order No. |
|---|-----|------------|
| Screw holder | 1 | 9032060000 |
| Screwdriver | 1 | 9005720000 |
| Setting block | 1 | 9005800000 |
| Note | | |
| Dimension A: as specified by connector manufacturer (not defined by tool) | | |



| CST | IE-CST |
|--|-----------------------------|
| Coaxial & round data cables | Coaxial & round data cables |
| 2.5...8 | 2.5...8 |
| | |
| 100 | 100 |
| 65 | 85 |
| Note | |
| IE-CST including blade cartridge, adjusted to Weidmüller Ethernet cable CST not including blade cartridge | |

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

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 |
|---------|
| |

Note

Accessories

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

Note

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 |



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK