



PERSONAL PROTECTIVE EQUIPMENT



- UNI EN 340:2004
- UNI EN 11612/09 A1B1C1
- UNI EN 1149-5:2008
- IEC 61482-2/09
- IEC 61482-1-2/08

Electric arc flame and heat protection clothing 7kA

The electric arc protection clothing are usable in low voltage areas in order to protect people against the danger of an electric arc.

| Description | Order No. | Size | Weight |
|--|-----------|------|--------|
| Electric arc flame and heat protection safety jacket | AI0301 | 44 | 690 g |
| | AI0302 | 46 | 750 g |
| | AI0303 | 48 | 950 g |
| | AI0304 | 50 | 980 g |
| | AI0305 | 52 | 860 g |
| | AI0306 | 54 | 900 g |
| | AI0307 | 56 | 930 g |
| | AI0308 | 58 | 1130 g |
| | AI0309 | 60 | 1150 g |
| | AI0310 | 62 | 990 g |
| Electric arc flame and heat protection safety trousers | AI0401 | 44 | 560 g |
| | AI0402 | 46 | 600 g |
| | AI0403 | 48 | 670 g |
| | AI0404 | 50 | 870 g |
| | AI0405 | 52 | 710 g |
| | AI0406 | 54 | 720 g |
| | AI0407 | 56 | 750 g |
| | AI0408 | 58 | 940 g |
| | AI0409 | 60 | 970 g |
| | AI0410 | 62 | 800 g |

Other sizes available on request

Tested and produced according following norms:

- UNI EN 340:2004
- UNI EN 11612/09 A1B1C1
- UNI EN 1149-5:2008
- IEC 61482-2/09
- IEC 61482-1-2/08
- Material: 87% cotton, 12% nylon, 1% antistatic fiber
- Colour: blue royal



- UNI EN ISO 13688:2013
- UNI EN ISO 1149-5:2008
- UNI EN ISO 20471:2013 (cl. 2)
- UNI EN ISO 11612 A1A2B1C1E1
- UNI EN ISO 13034 tipo 6
- IEC 61482-2/09 4kA (cl. 1)

Safety vest 4kA

Appropriate for wearing over electric arc flame and heat protection clothing.

| Description | Order No. | Size | Weight |
|-------------|-----------|------|--------|
| Safety vest | AI0701 | M | xx g |
| | AI0702 | L | xx g |
| | AI0703 | XL | xx g |
| | AI0704 | XXL | xx g |

- High visibility
- Covered zipper closure
- Left breast pocket with Velcro® closure and flap
- Two side pockets with covered zipper closure
- Encircling, reflective stripes, height 7 cm

Tested and produced according to the following norms:

- UNI EN ISO 13688:2013
- UNI EN ISO 1149-5:2008
- UNI EN ISO 20471:2013 (cl. 2)
- UNI EN ISO 11612 A1A2B1C1E1
- UNI EN ISO 13034 tipo 6
- IEC 61482-2/09 4kA (cl. 1)
- Materials: 87% cotton, 12% nylon, 1% conductive fiber
- Color: bright yellow



 EN 345
 EN 50321
 VDE 0680 part 1



Insulated electrical safety boots

| Description | Order No. | Size | Weight |
|-------------------------|-----------|---------|--------|
| Electrical safety boots | 661341 | 41 | 2,2 kg |
| | 661342 | 42 | 2,3 kg |
| | 661343 | 43 | 2,4 kg |
| | 661344 | 44 / 45 | 2,5 kg |
| | 661346 | 46 | 2,7 kg |
| | 661347 | 47 | 2,8 kg |

- Tested and produced according to EN 345 / EN 50321
- Safety Boots with steel toe cap
- Legs and soles are resistant to oil, petrol, grease, alkaline solution and acid complying with VDE 0680 Part 1
- Colour: Shaft white, sole: blue





 EN 60903 / IEC 903
 VDE 0682 part 311

Insulated electrical safety gloves

| Description | Order No. | Operating Voltage | Test Voltage | Thickness | Size |
|------------------------|-----------|-------------------|--------------|-----------|------|
| Safety gloves class 00 | AV4711 | 500 V | 2.500 V | 0,5 mm | 8 |
| | AV4712 | 500 V | 2.500 V | 0,5 mm | 9 |
| | AV4713 | 500 V | 2.500 V | 0,5 mm | 10 |
| Safety gloves class 0 | AV4720 | 1.000 V | 5.000 V | 1 mm | 8 |
| | AV4721 | 1.000 V | 5.000 V | 1 mm | 9 |
| | AV4722 | 1.000 V | 5.000 V | 1 mm | 10 |
| Safety gloves class 1 | AV4731 | 7.500 V | 10.000 V | 1,35 mm | 9 |
| | AV4732 | 7.500 V | 10.000 V | 1,35 mm | 10 |
| Safety gloves class 2 | AV4741 | 17.000 V | 20.000 V | 2 mm | 9 |
| | AV4742 | 17.000 V | 20.000 V | 2 mm | 10 |
| Safety gloves class 3 | AV4750 | 26.500 V | 30.000 V | 2,6 mm | 9 |
| | AV4751 | 26.500 V | 30.000 V | 2,6 mm | 10 |

- Tested and produced according to EN 60903 / IEC 903, VDE 0682 part 311
- For work on live MV/LV parts
- Material: natural latex
- Length: 360mm
- Smooth inside/outside
- Color: beige



EN 60903 / IEC 903
EN 61482-1-2
VDE 0682 part 311

Insulated electrical arc 7kA protection gloves

| Description | Order No. | Operating Voltage | Test Voltage | Size |
|----------------|-----------|-------------------|--------------|------|
| Gloves class 0 | AV4701 | 1000V - 7kA | 5.000 V | 8 |
| Gloves class 0 | AV4702 | 1000V - 7kA | 5.000 V | 9 |
| Gloves class 0 | AV4703 | 1000V - 7kA | 5.000 V | 10 |

- Tested and produced according to norm EN 61482-1-2 / class II (resistant to electric arc 7kA/0,5 seconds) norm EN 60903 / class 0 (suitable to work under voltage 1000 V) VDE 0682 part 31
- Mechanical protection
- Material: natural latex
- Length: 360 mm
- Color: red



Safety fuse (NH fuse) withdrawal glove

| Description | Order No. | Dimensions | Weight |
|-----------------------|-----------|------------|--------|
| Withdrawal glove | 659001 | 385x220 mm | 460 g |
| Withdrawal glove long | 659004 | 445x220 mm | 460 g |
| ↳ Leather cover | 659302 | 360x220 mm | 210 g |
| ↳ Safety fuse hold. | 659500 | 40x125 mm | 250 g |

The fuse withdrawal glove is suitable for removing or fitting fuses or other pieces of equipment such as earthing and short circuit protection devices, dummy fuse components etc. to protect the operator's hand and lower part of the arm. The operators limbs are under severe risk from the effects of power arcing.

- For removal of NH fuses sizes 00 - 3



Shockproof resin container

| Description | Order No. | Dimensions | Weight |
|-----------------|-----------|---------------|--------|
| Resin container | AB4700 | 420x170x50 mm | 350 g |

- To contain and protect insulated gloves



Nylon case

| Description | Order No. | Dimensions | Weight |
|-------------|-----------|---------------|--------|
| Nylon case | AB4710 | 380x170x40 mm | 170 g |

- To carry insulated gloves at the belt



Pump for testing insulated gloves

| Description | Order No. | Dimensions | Weight |
|-------------|-----------|-----------------|--------|
| Pump | 631800 | 140 x Ø -130 mm | 800 g |

- To inflate insulating gloves and check for any leaks.
- Material: thermoplastic resin, light alloy, anti-oxidation metal and other equivalent material.



Anti-perspiration gloves

| Description | Order No. | Size | Weight |
|-------------|-----------|--------|--------|
| Gloves | 631000 | Single | 30 g |

- Inner glove for insulating gloves to absorb skin perspiration
- Material: highly elastic interlock cotton
- Color: white



Protective gloves

| Description | Order No. | Size | Weight |
|-------------------|-----------|------|--------|
| Protective gloves | AV4771 | 9 | 200 g |
| Protective gloves | AV4772 | 10 | 200 g |
| Protective gloves | AV4773 | 11 | 200 g |

- Tested and produced according to EN 420 / EN 388
- Overglove to protect the insulating glove.
- Material: water-repellent silicone-treated grain leather



EN 420
EN 388



400V AC

EN 50362
EN 397



Safety helmet for electricians

| Description | Order No. | Color | Weight |
|-------------|-----------|-------|--------|
| Helmet | AV9305 | white | 305 g |

- Tested and produced according to EN 50362 / EN 397
- Adjustable headband
- Material: polyethylene
- Color: white



Visor for safety helmet

| Description | Order No. | Dimensions | Weight |
|-------------|-----------|--------------|--------|
| Visor | AV9306 | 395 x 240 mm | 300 g |

- Face screen to protect against electric arcs
- Shell: polycarbonate
- Protection against UV rays and short circuit



CE
EN 166



Safety goggles

| Description | Order No. | Weight |
|----------------|-----------|--------|
| Safety goggles | 666000 | 27 g |

- Tested and produced according to EN 166 3-1.21F
- Light weight and comfortable
- Clear scratch-resistant spectacle glass
- Modern design

Safety helmet with built-in visor for electricians

| Description | Order No. | Color | Weight |
|---------------|-----------|-------|--------|
| Safety helmet | AV9303W | white | 740 g |
| Safety helmet | AV9303R | red | 740 g |

- Tested and produced according to EN 397, VDE 0680 part 1
- Protective helmet with built-in visor for working under live LV electrical systems
- Suitable for work on live parts
- Protection against electric arc
- Built-in visor: 1.2mm thick
- Adjustable headband from size 52 to 66 (rack-adjustment), neck strap with Velcro® closure
- Helmet material: polyethylene
- Visor material: scratchproof polycarbonate
- Color: white, red

Safety helmet with built-in visor for electricians 7kA

| Description | Order No. | Color | Weight |
|---------------|-----------|-------|--------|
| Safety helmet | 662555 | white | 740 g |

- The safety helmet for electricians is a helmet constructed according the current insights of head protection development, which was designed especially for professional use in live electrical systems.
- The helmet has a visor that completely covers the face and can be retracted completely into the double-wall helmet as needed.
- The helmet has a single-handed screw cap that allows the modification of the headband without requiring the wearer to remove the helmet.
- With built-in, retractable visor that provides complete protection for the entire face area
- For protection against electric arcs up to 7 kA when working on live electrical systems
- Helmet material: HD polypropylene, UV stabilized, white
- Double wall helmet for increased protection and for storing the built-in visor and its safety cloth
- Interior helmet equipment: Adjustable 6-point textile band for all head sizes, sweatband, adjustable 4-point chin strap
- Visor made of high-impact, tinted polycarbonate with infrared filter and special surface treatment against fogging
- Aramid-base safety cloth, orange
- Minimum durability: 5 years
- Norms:
- Visor: EN 166, 170, ASTM F2178, GS-ET-29/ IEC 61482-1-2
- Class 2: 7kA electric arcs / 0.5 sec. light transition, 75% (Class 0 in accordance with GS-ET-29)
- Helmet: EN 397, EN 50365, ANSI Z89.1
- Safety cloth: IEC 61482-1-2 Class 2, ASTM F1959, 1506 NFPA 70E
- Identification, Visor: 2C-1,2 XXX 1 B 8-2-0 3 CE 0497

CE



400V AC

EN 397
VDE 0680 part 1



1000V



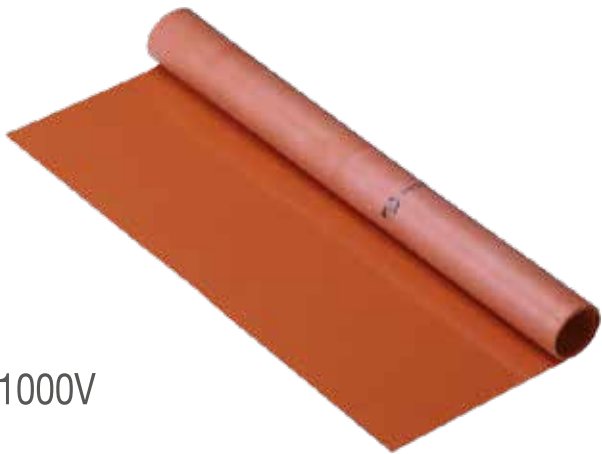


⚡ 1000V

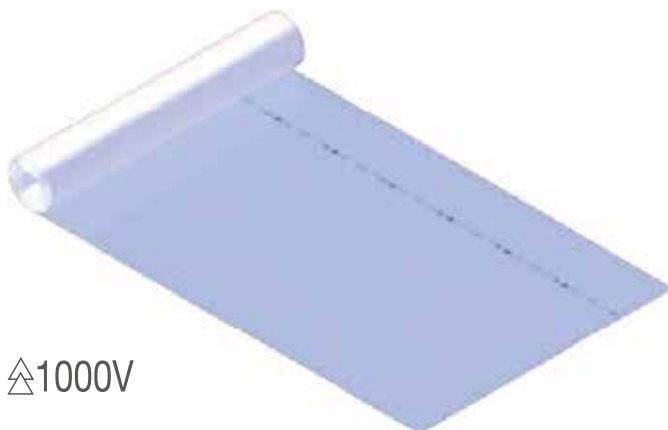


IEC 61111:2009
VDE 0680 part 1

⚡ 1000V



⚡ 1000V



⚡ 1000V

Rubber insulating matting

| Description | Order No. | Dimensions | Weight |
|--------------------|-----------|------------|-------------|
| Insulating matting | AV4301 | 1 x 1 m | ca. 4,6 kg |
| Insulating matting | AV4303 | 3 x 1 m | ca. 12,0 kg |
| Insulating matting | AV4310 | 10 x 1 m | ca. 43,8 kg |

Other dimensions available on request

- To insulate high-risk zones when making joints on LV-MV cables in trenches
- Non-slip surface
- Thickness: 4mm – 1.20g/cm² (53 Shore)
- Material: natural rubber or vulcanized synthesis rubber
- Color: gray

Rubber insulating matting

| Description | Order No. | Dimensions | Weight |
|--------------------|-----------|------------|---------|
| Insulating matting | 642415 | 1,5 x 1 m | 5,0 kg |
| Insulating matting | 642410 | 10 x 1 m | 33,5 kg |

Other dimensions available on request

- Tested and produced according to VDE 0680 part 1
- To insulate high-risk zones when making joints on LV-MV cables in trenches
- Non-slip surface
- Thickness: 3mm – 166g/cm² (56 Shore)
- Material: Chloroprene mixture
- Resistance: Mechanical Puncture, Oil, Acid, Slip and Ageing
- Flame Retardancy
- Color: gray

Rubber cover material

| Description | Order No. | Dimensions | Weight |
|-----------------------|-----------|---------------|-------------|
| Rubber cover material | AV4102 | 0,60 x 0,60 m | ca. 0,7 kg |
| Rubber cover material | AV4104 | 1 x 1 m | ca. 2,1 kg |
| Rubber cover material | AV4110 | 10 x 1 m | ca. 20,6 kg |
| Rubber cover material | AV4111 | 1 x 1,20 m | ca. 2,3 kg |
| Rubber cover material | AV4120 | 10 x 1,20 m | ca. 25,1 kg |

Other dimensions available on request

- Tested and produced according to VDE 0680 part 1
- For temporary protection of live uninsulated components of LV systems
- Resistant to oils and acids
- Self-extinguishing
- Thickness: 1.6mm - 1.21g/cm² (44 Shore)
- Material: high quality neoprene
- Color: orange

Cover transparent

| Description | Order No. | Dimensions | Weight |
|-------------|-----------|-----------------|--------|
| Cover | 641960 | 10000 x 1400 mm | 8000 g |
| Cover | 641952 | 2000 x 1400 mm | 1600 g |
| Cover | 641951 | 1000 x 1400 mm | 800 g |
| Cover | 641949 | 600 x 600 mm | 220 g |
| Cover | 641948 | 250 x 350 mm | 50 g |
| Cover | 641947 | 130 x 230 mm | 20 g |
| Cover | 641946 | 120 x 120 mm | 10 g |

- In accordance with DIN EN 61112 (VDE 0682-511) : 2010-03
- EN/IEC 61112 : 2009
- Highly flexible, cold resistant
- Materials: UV-stabilized film
- Thickness: 0.5 mm



CE

30.000V

IEC 61111:2009
VDE 0680 part 1

Tappeto isolante 30.000V

| Description | Order No. | Dimensions | Weight |
|---------------|-----------|------------|-------------|
| Safety carpet | AV4331 | 1 x 1 m | ca. 4,0 kg |
| Safety carpet | AV4335 | 5 x 1 m | ca. 11,0 kg |
| Safety carpet | AV4330 | 10 x 1 m | ca. 40,0 kg |

Other dimensions available on request

- Tested and produced according to VDE 0303
- For permanent insulation in cabins or rooms that require a high degree of Insulation
- Non-slip pavement side / ribbed non-slip support side (top)
- Thickness: 4,5mm
- Material: natural rubber or vulcanized synthesis rubber
- Color: gray



CE

50.000V

VDE 0303

Safety rubber carpet 50.000V

| Description | Order No. | Dimensions | Weight |
|---------------|-----------|------------|--------|
| Safety carpet | AV4341 | 1 x 1m | 5,6 kg |
| Safety carpet | AV4350 | 10 x 1m | 57 kg |
| Safety carpet | AV4351 | 1 x 1.20m | 6,8 kg |
| Safety carpet | AV4360 | 10 x 1.20m | 69 kg |

Other dimensions available on request

- Tested and produced according to VDE 0303
- For permanent insulation in cabins or rooms that require a high degree of Insulation
- Non-slip pavement side / ribbed non-slip support side (top)
- Thickness: 4,5mm - 1.65g/cm² (77 Shore)
- Material: natural rubber or vulcanized synthesis rubber
- Color: gray



30.000V / 45.000V

30kV/45kV insulating platform

| Description | Order No. | Dimensions | Weight |
|------------------|-----------|--------------------|--------|
| Platform 30.000V | AV5000 | 500 x 500 x 260 mm | 3,2 kg |
| Platform 45.000V | AV5001 | 500 x 500 x 310 mm | 4,2 kg |

- To insulate workers from the pavement when working
- Material: glass-fiber reinforced plastic resin
- Non-slip surface
- 30.000V/45.000V operating insulating level



Thermal blanket

| Description | Order No. | Dimensions | Weight |
|-----------------|-----------|----------------|--------|
| Thermal blanket | HSD1 | 1800 x 1800 mm | 3,8 kg |
| Thermal blanket | HSD2 | 1200 x 900 mm | 1,3 kg |
| Thermal blanket | HSD3 | 450 x 600 mm | 0,3 kg |

- Free of asbestos and other dangerous ingredients
- Composed 98% of silicone oxide (amorphous SiO₂)
- Usable for temperatures up to 1260°C
- Melting temperature above 1600°C
- Non-toxic product



1000V
IEC 60900

Sheath spreader

| Description | Order No. | Height | Dimensions | Weight |
|-----------------|-----------|-----------|-------------|--------|
| Sheath spreader | 652002 | 30 to 0mm | 165 x 20 mm | 43 g |

- Reinforced polyamide material
- Lightweight model



1000V
IEC 60900

Sheath spreader

| Description | Order No. | Height | Dimensions | Weight |
|-----------------|-----------|-----------|-------------|--------|
| Sheath spreader | 652003 | 10 to 0mm | 170 x 20 mm | 100 g |

- Reinforced polyamide material
- Designed for assembly of branch terminals



1000V
IEC 60900

Bordering chisel

| Description | Order No. | Diameter | Length | Weight |
|------------------|-----------|----------|--------|--------|
| Bordering chisel | 654000 | Ø 25 mm | 140 mm | 63 g |

- For NKBA-Cable
- Tape 70 mm with 30 mm radius
- Non brittle red plastic


1000V
 IEC 60900
 VDE 0680



Insulating safety clamp short

| Description | Order No. | Dimensions | Weight |
|------------------|-----------|-------------|--------|
| Insulating clamp | 651409 | 140 x 85 mm | 52 g |

- Tested and produced according to VDE 0680
- For fastening insulating sheets in cramped quarters
- Rubber inserts inside the jaws
- Material: shockproof thermoplastic resin
- Opening: 45 mm


1000V
 IEC 60900
 VDE 0680



Insulating safety clamp small

| Description | Order No. | Dimensions | Weight |
|------------------|-----------|------------|--------|
| Insulating clamp | 651406 | 80 x 40 mm | 40 g |

- Tested and produced according to VDE 0680
- For fastening insulating sheets in cramped quarters
- Rubber inserts inside the beaks
- Material: shockproof thermoplastic resin
- Opening: 25 mm


1000V
 IEC 60900
 VDE 0680



Insulating safety clamp with hook

| Description | Order No. | Dimensions | Weight |
|------------------|-----------|--------------|--------|
| Insulating clamp | 651402 | 165 x 130 mm | 60 g |

- Tested and produced according to VDE 0680
- For fastening insulating sheets in cramped quarters
- Rubber inserts inside the beaks
- Material: shockproof thermoplastic resin
- Opening: 45 mm


1000V
 IEC 60900
 VDE 0680



Insulating safety clamp without hook

| Description | Order No. | Dimensions | Weight |
|------------------|-----------|--------------|--------|
| Insulating clamp | 651407 | 175 x 110 mm | 76 g |

- Tested and produced according to VDE 0680
- For fastening insulating sheets in cramped quarters
- Rubber inserts inside the beaks
- Material: shockproof thermoplastic resin
- Opening: 40 mm

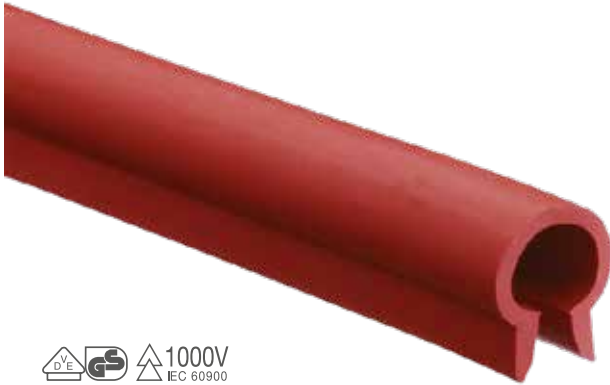

1000V
 IEC 60900
 VDE 0680



Insulating safety clamp large opening

| Description | Order No. | Dimensions | Weight |
|------------------|-----------|--------------|--------|
| Insulating clamp | 651412 | 160 x 115 mm | 70 g |

- Tested and produced according to VDE 0680
- For fastening insulation sheets in cramped quarters
- Rubber inserts inside the beaks
- Material: shockproof thermoplastic resin
- Opening: 65 mm

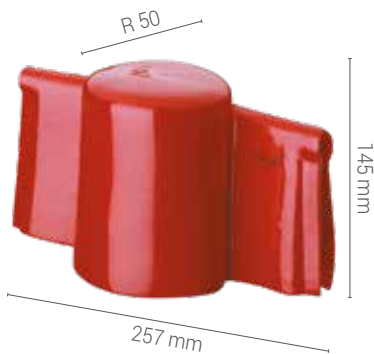
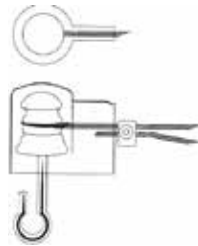




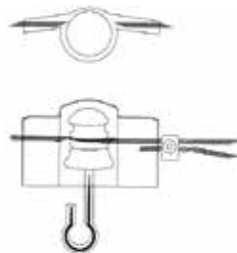

1000V
 IEC 60900
 EN 60529




1000V
 IEC 60900




1000V
 IEC 60900




1000V
 IEC 60900
 VDE 0680

Protecting tube

| Description | Order No. | Length | Ø Conductor |
|---------------------------------------|-----------|----------|-------------|
| Protective shaped profiles up to 10mm | AV4410 | 1m | up to 10mm |
| | AV4413 | 3m | up to 10mm |
| | AV4418 | 18m roll | up to 10mm |
| Protective shaped profiles up to 14mm | AV4510 | 1m | up to 14mm |
| | AV4513 | 3m | up to 14mm |
| | AV4518 | 18m roll | up to 14mm |

Other lengths available on request

- Tested and produced according to EN 60529
- For temporary insulation of bare aerial LV lines carrying up to 1000V of live voltage
- Material: natural rubber or synthetic vulcanized elastomer
- Weight per meter: approx. 350g
- Color: red
- Other lengths on request

Insulator cap with single outlet

| Description | Order No. | Version | Weight |
|---------------|-----------|----------|--------|
| Insulator cap | AV4401 | 1 Outlet | 350g |

Other insulator caps available on request

- Suitable for long-term operations
- Simple and robust design to slide over
- Material: flexible plastic resin
- Color: red

Insulator cap with double outlet

| Description | Order No. | Version | Weight |
|---------------|-----------|-----------|--------|
| Insulator cap | AV4402 | 2 Outlets | 450g |

Other insulator caps available on request

- Suitable for long-term operations
- Simple and robust design to slide over
- Material: flexible plastic resin
- Color: red

Insulating safety caps

| Description | Order No. | Ø | Length |
|-----------------|-----------|------------|--------|
| Insulating caps | AV4094 | 8 - 13 mm | 60mm |
| | AV4095 | 13 - 20 mm | 80mm |

- Tested and produced according to VDE 0680
- To protect rigid cables
- Material: rigid thermoplastic resin
- Color: red

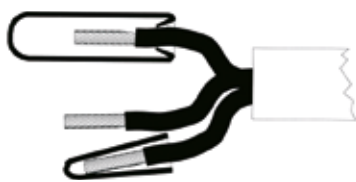
CABLE INSULATION



- Slip over side
- with grip



VDE 0680



Push on cover with grip

| Description | Order No. | Length | Opening | Suitable for | Weight |
|-------------------------|-----------|--------|---------|---------------------------|--------|
| Push on cover with grip | 646004 | 40 mm | 10 mm | 1 - 25 mm ² | 4 g |
| | 646006 | 60 mm | 10 mm | 6 - 35 mm ² | 14 g |
| | 646010 | 100 mm | 10 mm | 6 - 35 mm ² | 21 g |
| | 646015 | 100 mm | 15 mm | 10 - 50 mm ² | 31 g |
| | 646020 | 110 mm | 20 mm | 35 - 95 mm ² | 40 g |
| | 646030 | 130 mm | 30 mm | 95 - 185 mm ² | 70 g |
| | 646040 | 150 mm | 40 mm | 185 - 240 mm ² | 135 g |
| | 646050 | 185 mm | 50 mm | 240 - 400 mm ² | 140 g |
| | 646060 | 185 mm | 60 mm | 240 - 500 mm ² | 220 g |
| | 646070 | 210 mm | 70 mm | 300 - 500 mm ² | 300 g |
| | 646090 | 255 mm | 90 mm | - 630 mm ² | 550 g |
| | 646120 | 240 mm | 120 mm | - 800 mm ² | 700 g |

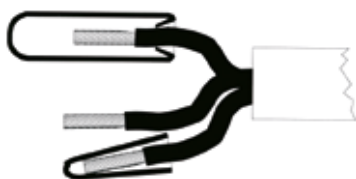
- Tested and produced according to VDE 0680
- For temporary insulation of the ends of live LV single-pole cables
- Also suitable for protecting cables with cable terminals
- Material: flexible thermoplastic resin
- Color: red



- Slip over side
- without grip



VDE 0680



Push on cover conical

| Description | Order No. | Length | Opening | Suitable for | Weight |
|-----------------------|-----------|--------|---------|---------------------------|--------|
| Push on cover conical | 647030 | 30 mm | 10 mm | 10 - 25 mm ² | 10 g |
| | 645006 | 50 mm | 10 mm | 10 - 25 mm ² | 10 g |
| | 647010 | 60 mm | 10 mm | 6 - 25 mm ² | 15 g |
| | 645000 | 100 mm | 10 mm | 10 - 35 mm ² | 7 g |
| | 645001 | 100 mm | 20 mm | 120 - 150 mm ² | 19 g |

Transparent conical push on covers available on request

- Tested and produced according to VDE 0680
- For temporary insulation of the ends of live LV single-pole cables
- Also suitable for protecting cables with cable terminals
- Material: flexible thermoplastic resin
- Color: red



EN 57680
VDE 0680

Insulating safety sleeve

| Description | Order No. | Ø | Length |
|-------------------|-----------|------------|--------|
| Insulating sleeve | AV4082 | 5 - 12 mm | 117 mm |
| Insulating sleeve | AV4083 | 12 - 21 mm | 159 mm |
| Insulating sleeve | AV4084 | 21 - 30 mm | 190 mm |

- Tested and produced according to EN 57680, VDE 0680
- To protect ends of electric conductors
- Optimized holding force with the screw joint
- Material: Safety sleeve made out of flexible shock-resistant plastics
- Screw joint made out of a red transparent prim plastics
- Color: red



Safety bag with tools

| Description | Order No. | Dimensions | Weight |
|--------------------------|-----------|---------------|------------|
| Safety bag with tools | AB7712 | 560x360x320mm | ca. 7,7 kg |
| Safety bag without tools | AB7710 | 560x360x320mm | ca. 1,7 kg |

Equipment:

- 1 pair of insulated electrical safety gloves – size 10 AV4722
- 1 pair of safety goggles 6660 00
- 1 safety helmet with build in visor AV9303W
- 1 rubber insulating matting 1000 x 1000 x 4 mm AV4301
- 1 pair of anti-perspiration gloves 6130 00
- 1 shockproof resin container AB4700

Optionals:

- 7 kA protection clothing (see page 42)
- 7 kA protection gloves (see page 43)



Bag with tools to work on LV

| Description | Order No. | Dimensions | Weight |
|-------------------|-----------|----------------|------------|
| Bag with tools | AB7721 | 560x360x320 mm | ca. 6,1 kg |
| Bag without tools | AB7720E | 560x360x320 mm | ca. 1,7 kg |

Equipment:

- 1 transparent cover material 560 x 560 mm AV4102E
- 1 transparent cover material 910 x 910 mm AV4104E
- 8 insulating safety clamps 6514 09
- 8 push on covers with grip, opening 15 mm 6460 15
- 8 push on covers with grip, opening 20 mm 6460 20
- 8 push on covers with grip, opening 30 mm 6460 30
- 1 insulating mastic 1033 74

Protective cover for distribution cabinets

| Description | Order No. | Dimensions | Weight |
|------------------------------------|-----------|------------------|--------|
| Prot. cover DIN Gr.00, F3, F3/1 | 06614710 | 1100x550x440 mm | 3,3 kg |
| Prot. cover DIN Gr.0, F4 | 06614810 | 1100x700x440 mm | 3,8 kg |
| Prot. cover DIN Gr.1, F5 | 06614510 | 1100x900x440 mm | 4,5 kg |
| Prot. cover DIN Gr.2, F6 | 06614610 | 1100x1300x440 mm | 5,8 kg |
| Prot. cover DIN Gr.3 | 06614910 | 1100x1600x440 mm | 7,0 kg |

- The protective cover serves to cover damaged distribution cabinets temporarily.
- Increased 1,100 mm height, suitable for also covering the base
- A belt has been inserted under the lower edge of the cover for securing the cover, when drawn tight.
- The protective cover has two layers, which have been permanently welded together.
- The internal layer consists of a 0.5 mm thick, highly flexible and transparent cloth
- The external layer is made of a PVC-coated, UV and weather resistant polyester fabric.
- Both layers are highly flexible and cold-resistant.
- Color: signal yellow and printed with the "Caution: Dangerous Electrical Voltage"



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