

# Electrical Safety Products







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**A safe working environment is important in all industries, but in the electrical generation and supply industry, it is paramount.**

Trelleborg specifically compounds its elastomers and tests its products to ensure the highest standard of electrical protection.

Rubber safety products are simple and easy to use. They fold and hang easily and are durable with a long service life.

We are able to manufacture, test and certify products to the following standards:

- American Society of Testing and Materials (ASTM) in both low and high voltage
- Australian and New Zealand standards (AS/NZS) in low voltage
- British Standards (BS) in low voltage
- International Electrotechnical Commission (IEC)

As an AS 4801 and OHSAS 18001 certified company, we are able to work with you to design and develop special safety products to meet your specific needs.



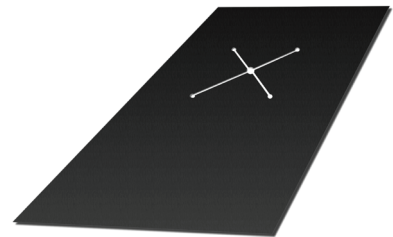
## L.V. Safety Matting

- Manufactured and tested to AS/NZS 2978 - 1995 (650V AC nominal safe working) or specified standard
- Tagged & certified
- Class A - 6.5mm thick, 1000mm wide and up to 10m long, general purpose
- Class B - 3mm thick, 1000mm wide and up to 15m long, suitable for smooth floor surfaces only
- Available in black, white\*, blue\* or red\* (\*Surcharge for colour)
- Storage bags available



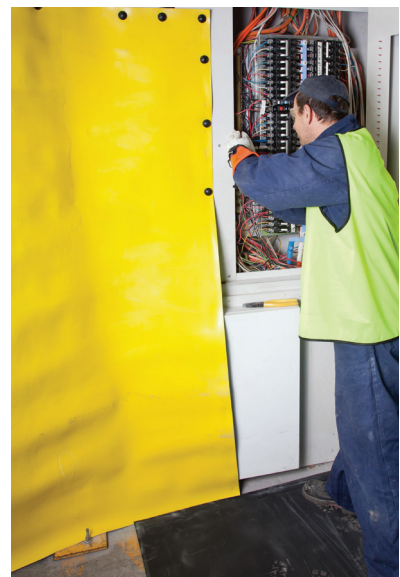
## L.V. Cable Jointers Mat

- Manufactured and tested to AS/NZS 2978 - 1995 (650V AC nominal safe working) or specified standard
- Tagged and certified
- 1500 x 900 x 6.5mm
- Designed to provide LV protection for pit joining operations
- Storage bags available



## L.V. Cabinet Drape

- Manufactured and tested to AS/NZS 4202 - 1994 (650v AC nominal maximum useage voltage) or specified standard
- Made to customer size (within limitations of the specified standard)
- Tagged and certified
- Robust UV resistant EPDM/Natural rubber
- Supplied with either magnetic buttons, holes or velcro
- Colours - Yellow/Grey or Blue





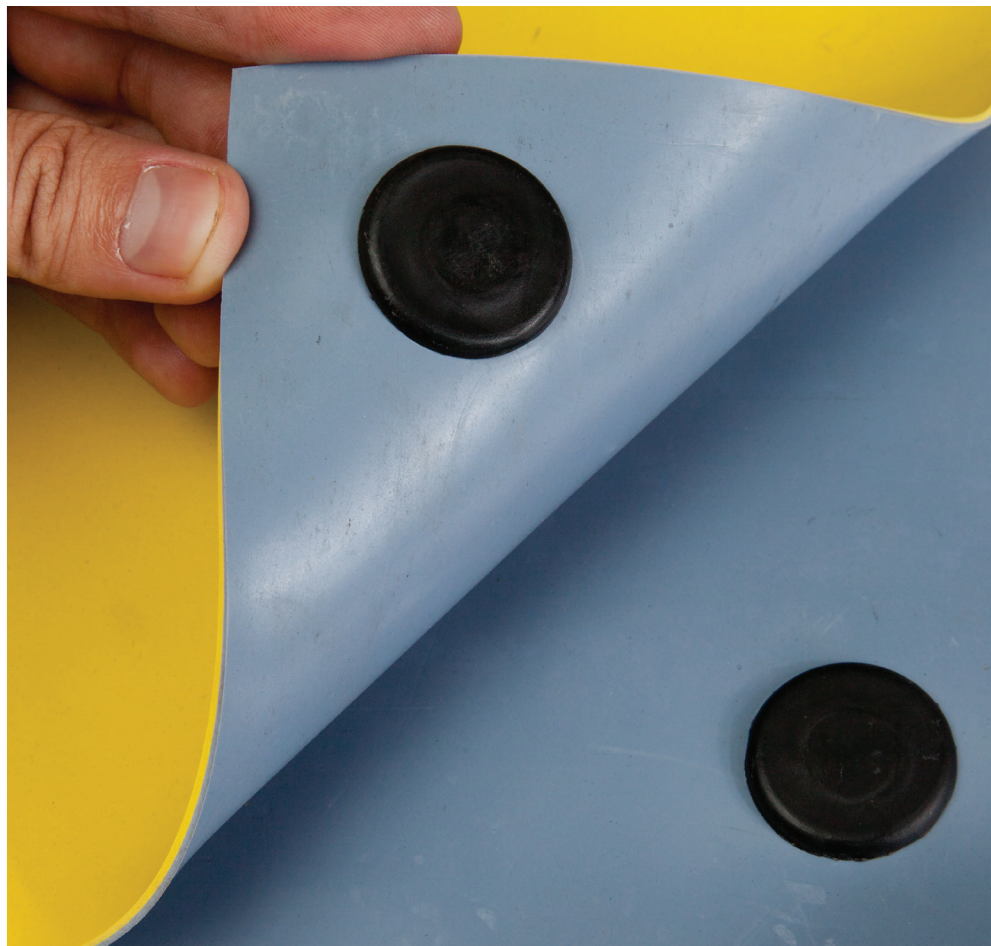
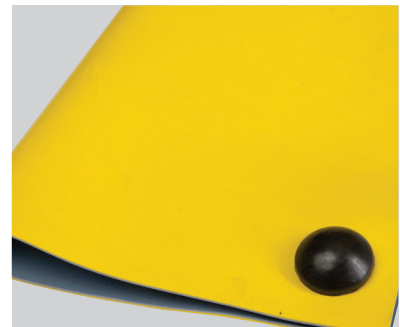
## Substation L.V. Mat Kit

- Substation LV Mat Kit for up to 650 V. Includes magnetic fasteners for quick attachment to any part of the panel.
- AS 4202 Class II Contents:
  - 4 of 600 x 450 x 2 mm dual layer insulating sheet
  - 2 of 1200 x 600 x 2 mm dual layer insulating sheet
  - 1 of 1000 x 1000 x 3mm ground mat
  - 1 of 1100 x 200 x 300 mm Ripstop zipper bag



## Catenary Hardware & Cable Cover

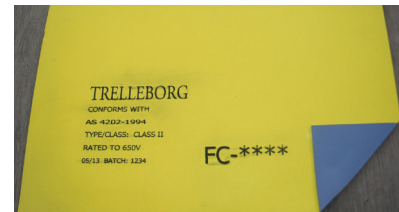
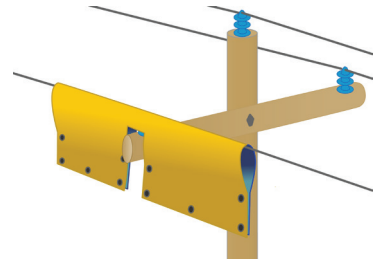
- Designed to cover pole connecting hardware and proximate cable of potentially earthed pole sharing systems such as telephone or cable television
- Tagged and certified
- Reduces risk of accidental contact by live line workers operating nearby
- Manufactured to conform to the appropriate L.V. standard, depending upon customer requirements
- Holes, Velcro and/or magnetic fasteners
- Storage bags available





## L.V. Crossarm Cover

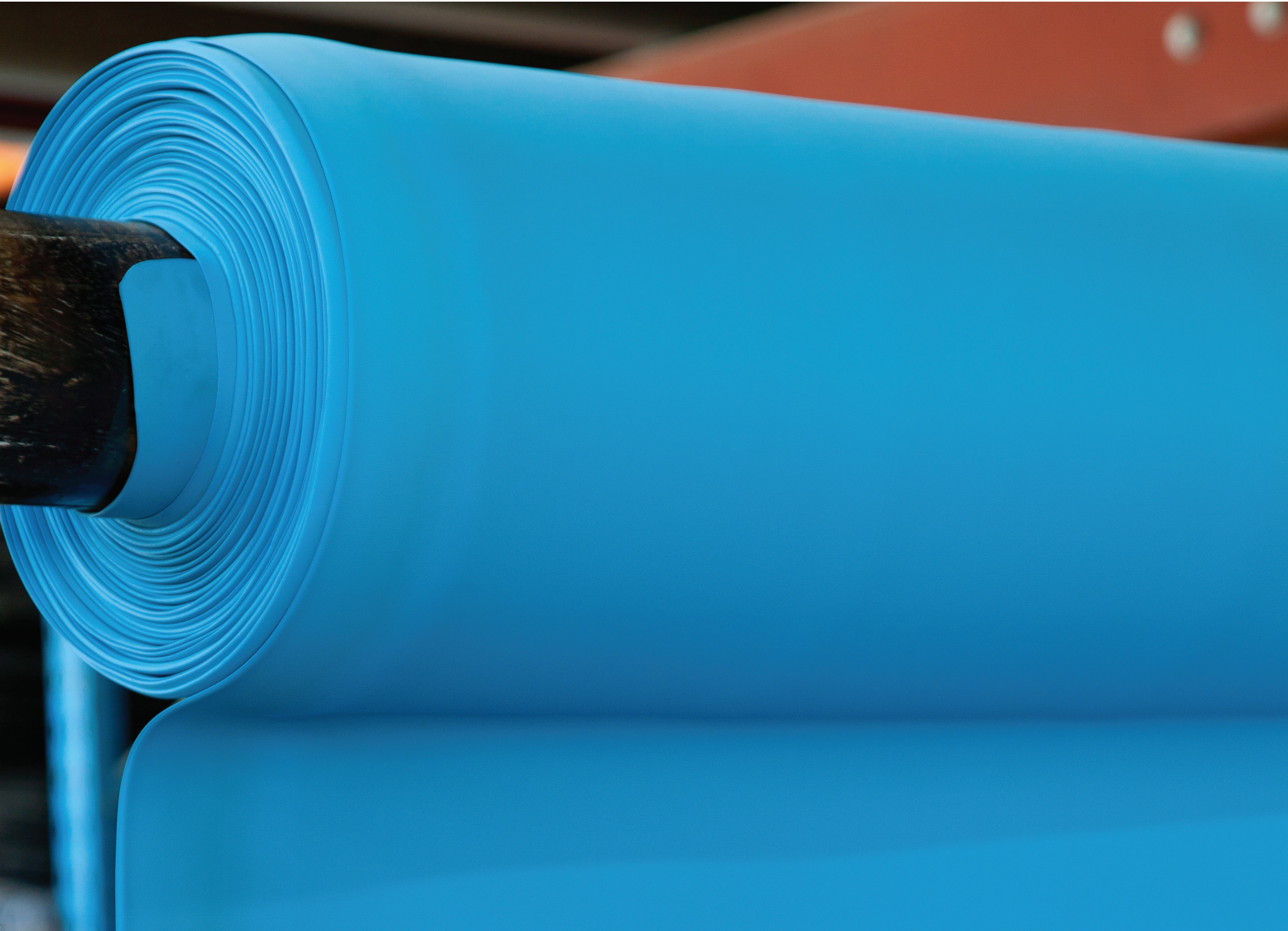
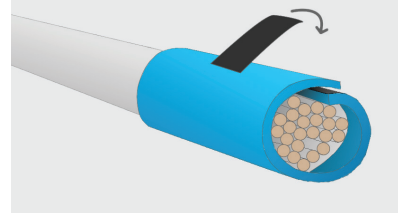
- Manufactured and tested to AS/NZS 4202 - 1994 (650V AC nominal safe working) or specified standard
- Tagged and certified
- Standard size 1200 x 350 drop. Made to order sizes also available
- Reinforced spine
- Available in black, yellow/grey or blue
- Holes, Velcro and/or magnetic fasteners
- Storage bags available





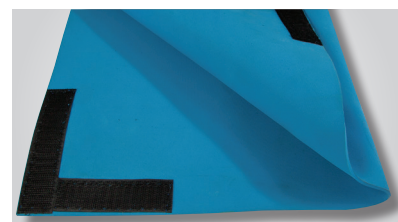
## Cable Wrap

- Used extensively in power generation facilities and control rooms to provide temporary cover on test points when phasing in H.V. motors or controls
- Blue natural rubber / EPDM supplied / Gum Rubber in 2mm x 100mm x 1200mm rolls with 500mm Velcro strap
- Acceptance tested to withstand 15kV in a single thickness



## Bus Bar and Switch Covers

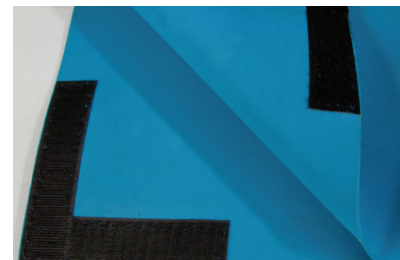
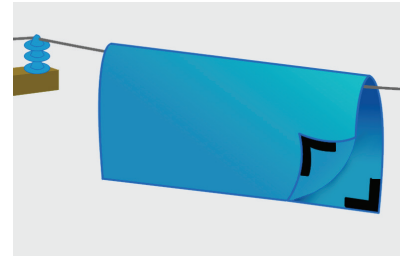
- Made to customer requirements
- 300 x 300mm and larger
- Tested to either AS/NZS 4202 - 1994 (L.V.), or ASTM D1048 (H.V.) or other specified standard
- Cable tie, peg, buttons, velcro fastened or magnetic buttons





## L.V. Line Cover (Double Drop)

- Manufactured and tested to AS/NZS 4202 - 1994 (650V AC nominal safe working) or specified standard
- Tagged and certified
- Standard sizes are 900, 1000 and 1200mm long with either 300, 350 or 400mm drop
- 2mm (lightweight) or 3mm (heavy duty) rubber sheet moulded & reinforced to conform to the line profile
- Supplied as a basic cover or with sponge inserts for greater line grip (applies only to 3mm heavy duty)
- Holes, Velcro and/or magnetic fasteners
- Available in black, yellow/grey or blue
- Storage bags available



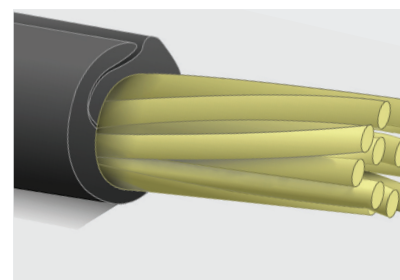
## L.V. Line Hose

- Manufactured and tested to AS/NZS 4202 - 1994 (650V AC nominal safe working) or specified standard
- Tagged and Certified
- 25mm & 32mm diameter bore
- Manufactured to maximum length of 2.5 metres
- Available in black
- Designed to be easily placed on LV overhead wire



## U.V. & Flame Resistant Cable Covers

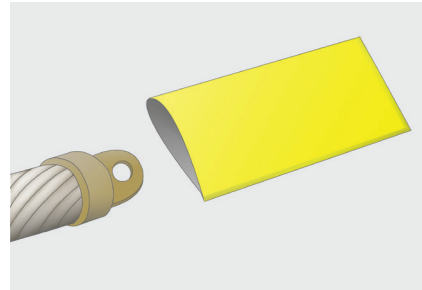
- Proof tested to AS/NZS 4202 -1994
- Manufactured from UV & Flame resistant polymer
- Cut to required length on the job
- Available in 15mm ID, 10mm ID and 10m rolls
- Grey
- Designed to cover exposed copper conductors & links
- Remain resilient and flexible
- Specifically developed to reduce wildlife initiated outages on sub stations and deadfall initiated bush fires
- Proof testing certificates available





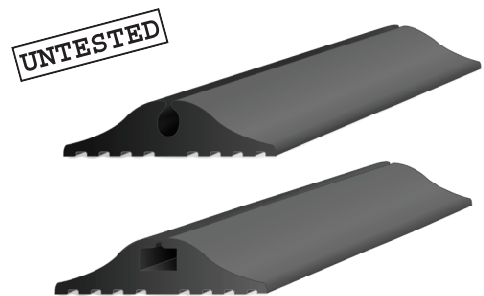
## Cable End Cover

- Temporary, re-useable and durable cable end cover
- Manufactured from durable high visibility blue 2mm natural rubber
- Sizes to suit customers requirements
- Acceptance tested to withstand 5kV



## Floor Cable Protector

- Manufactured in UV stable, abrasion resistant materials
- 10m lengths
- Available in black, white, yellow and orange
- Designed to protect and conceal insulated cables in high volume and heavy traffic areas, including roadways
- Leads are easily inserted and work-place safety is enhanced



## Storage Bag

- Manufactured in durable woven polyethylene to suit the following products:
  - L.V. Safety Matting
  - H.V. Safety Matting
  - L.V. Cable Jointers Mat
  - L.V. Line Cover
  - L.V. Crossarm Cover
  - Catenary Hardware & Cable Cover



# H.V. Electrical

## H.V. Electrical Insulating Blankets

Trelleborg Blankets are manufactured to ASTM 1048, Type 2, Class 4, Style A and feature a beaded edge with reinforced eyelets.

Trelleborg Blankets are available in 3 sizes:

- **560 x 560 mm**
- **915 x 915 mm**
- **1220 x 1220mm**

They are proudly manufactured in Australia for Australian conditions and are available in orange.

The special blend of EPDM/ Natural Rubber gives superior ozone resistance, tensile strength, and flexibility.

All Trelleborg Blankets are fully compliant and are supplied

either, tested and certified, or untested.

They have also been proof tested @ 40kVac in accordance with ASTM D-1048-05: Section 9.1.

Specially designed carry bags are available to protect the blankets when not in use.



ASTM CLASS/ PROOF TEST VOLT	TYPE / MATERIAL	SIZE (MM)	COLOUR	WEIGHT (KG)
4/ 40 kV	EPDM/Natural	560 x 560	Orange	1.7
4/ 40 kV	EPDM/Natural	915 x 915	Orange	4.34
4/ 40 kV	EPDM/Natural	1220 x 1220	Orange	7.5



Slotted Style H.V. Electrical Insulating Blankets

Trelleborg Slotted Style Blankets are manufactured to ASTM 1048, Type 2, Class 4, Style A and they feature a beaded edge with reinforced eyelets.

They are produced with a slot to add versatility to the product.

These Blankets are normally used for protection over insulators, cross arms and/or wires.

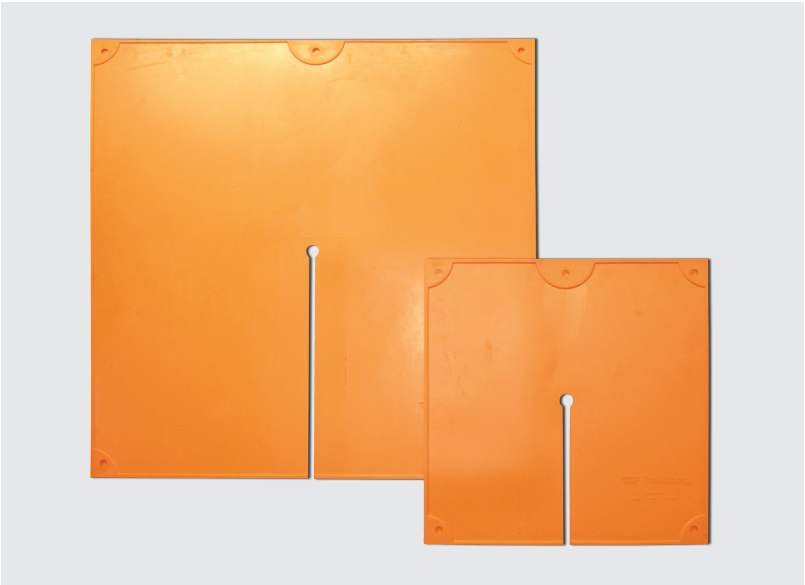
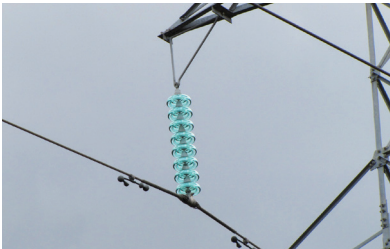
Trelleborg Blankets are available in 3 sizes:

- 560 x 560 mm
- 915 x 915 mm
- 1220 x 1220 mm.

All Trelleborg Blankets are fully compliant and are supplied tagged tested and certified.

They have also been tested @ 40kVac in accordance with ASTM D-1048-05: Section 9.1.

Specially designed carry bags are available to protect the blankets when not in use.



ASTM class/ Proof Test Volt	Type / Material	Size (mm)	Colour	Weight (KG)
4/ 40 kV	EPDM/Natural	560 x 560	Orange	1.7
4/ 40 kV	EPDM/Natural	915 x 915	Orange	4.34
4/ 40 kV	EPDM/Natural	1220 x 1220	Orange	7.5

H.V. Safety Matting

- Manufactured and tested to ASTM D178 - 93
- Tagged and certified
- Class 2 - 6.5mm thick (17 kV nominal safe working)
- Class 3 - 9.5mm thick (26.5kV nominal safe working)
- Class 4 - 12mm thick (36 kV nominal safe working)
- Maximum of 10 metres long and 1000mm wide
- Storage bags available



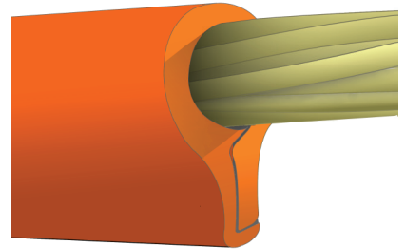
## H.V Diamond Pattern U.S. Milspec & IEC Matting

- Manufactured in accordance with MIL-DTL-15562G (Navy) 31 May 1996: Classification Type III
- Max. safe working: 30kV
- Fire resistant to MIL-STD-1623 requirement
- Size: 915mm x 22 metres x 4.7mm (3ft x 25ft x 0.147 inch). Cut to length available.
- Colour : Grey (Blue or green available as special order)
- Also meets IEC 61111 Class 1 requirements including 20kV AC withstand test



## H.V. Line Hose

- Manufactured and tested to ASTM D1050 - 85 class 4 (36kV nominal safe working)
- Tagged and Certified
- Manufactured to maximum length of 5 metres with a 35mm bore
- Hose supplied in orange or black
- Specially developed compound allows for long term installation in hazardous environments
- Easily placed locking sheath



## Flame Resistant Substation Termination Cover

- Manufactured in flame resistant, self extinguishing elastomer (IEC (V) flammability test method)
- UV stable
- Reduces the possibility of wildlife or deadfall initiated supply outages or fires
- Easy to fit 'knock on' locking clips
- Australian designed and manufactured
- Proof tested to 19kV flashover
- Compatible with Trelleborg UV resistant conductor and cable cover







Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Our innovative engineered solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has local presence in over 40 countries around the world.

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