

TECHNICAL AND COMMERCIAL DATA SHEET **MIDSUN® E/TAPE Range**



Insulating Tape

for Bird-Safe Protection

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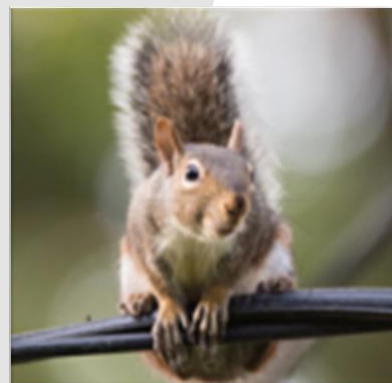
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1 | Issue

The presence of animals near your transmission, substation, or distribution equipment represents a major risk, both for their safety and for the reliability of your installations. When wildlife causes an accidental connection, for example between two phases or between a phase and ground, this can lead to the formation of an electrical arc, potentially resulting in severe failures. Such incidents may generate significant costs as well as considerable inconvenience for the utility company and its customers, as well as for the animals.



To address this issue, the E/TAPE range offers an effective solution by providing electrical insulation between phases and ground on all conductive cables. Highly resistant to electrical arcing, it also acts as an insulating barrier, preventing any contact between wildlife and energized electrical equipment. The range can be installed on any service equipment where wildlife contact, electrical insulation, or contamination represents a risk.



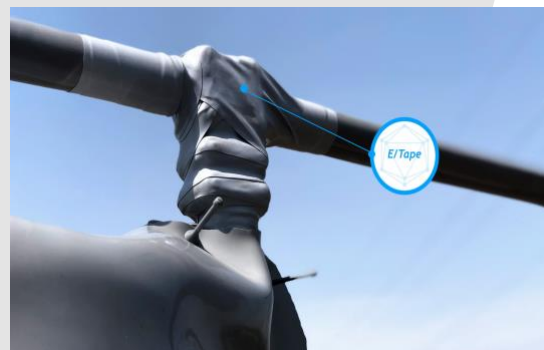
2 | Operating Conditions

Unlike other products on the market, installing the tape requires neither adhesive nor a heat source. It adapts to any type of connector, busbar or cable, and can be used on its own or in addition to other Midsun® solutions such as E/COVER, E/PLATE or E/SLEEVE. Made of inorganic self-fusing silicone rubber, each tape is supplied rolled on a film that is easy to separate and cut.

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3 | Design and Technical Data



Features :

- **Self-fusing** : bonds to itself upon contact, without adhering to the equipment it covers, and leaves no residue after removal.
- **High durability** : does not degrade over time and does not become brittle, cracked or fractured.
- **Excellent resistance to aging** : withstands exposure to UV, salt, weather conditions, contaminants, corona effect and ozone.
- **Enhanced safety** : self-extinguishing, non-conductive, resistant to electrical arcing, does not melt and does not propagate flame.
- **Optimal flexibility** : easily conforms to irregular shapes of equipment (0.8 mm thickness) and can be removed effortlessly.

A single application of the tape provides phase-to-ground equipment protection from 15 kV to 50 kV depending on its thickness.

E/TAPE RIBBON (0.8 mm)



The 0.8 mm thick self-fusing silicone tape forms a custom-fit insulating barrier, delivering 15 kV phase-to-ground insulation with a single layer and up to 30 kV with a double layer. It is ideal for use on equipment with irregular or complex geometries.

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E/TAPE HIGH-INSULATION TAPE (2 mm)



The 2 mm thick self-fusing silicone tape forms a custom insulating barrier and provides a 35 kV phase-to-ground insulation rating with a single layer, and up to 50 kV with a double layer. This tape is not recommended for use on highly irregular surfaces but is better suited for smooth or slightly contoured areas. For more complex geometries, other Midsun® solutions such as E/COVER or E/PLAQUE are recommended, or FUSE (documentation available upon request).

4 | Models and Dimensions

The **E/TAPE** range consists of numerous insulating tape references and is available in grey (G) or red (R).

Insulation type	References :	US Product Dimensions	Colours	Metric Dimensions (w x L x t) :	Buy Online
E/TAPE TAPE	AVI-TAPE-025G08 AVI-TAPE-025R08	1" x 36', 30 mil	Grey and Red	25.4 mm x 10.9 m x 0.8 mm	
	AVI-TAPE-063G08 AVI-TAPE-063R08	2.5" x 36', 30 mil	Grey and Red	63.4 mm x 10.9 m x 0.8 mm	
	AVI-TAPE-101G08 AVI-TAPE-101R08	4" x 36', 30 mil	Grey and Red	101.6 mm x 10.9 m x 0.8 mm	
E/TAPE TAPE HIGH-INSULATION	AVI-TAPE-063G20 AVI-TAPE-063R20	2.5" x 15', 80 mil	Grey and Red	63.4 mm x 4.6 m x 2 mm	
	AVI-TAPE-101G20 AVI-TAPE-101R20	4" x 15', 80 mil	Grey and Red	101.6 mm x 4.6 m x 2 mm	

These products are also available on our online sales website **Technikelec** :



5 | Quality, Traceability and Associated Documentation

Documents available upon request :

- Safety Data Sheet (SDS)
- Installation and Maintenance Manual (FUSE E/TAPE)

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6 | Installation and Maintenance

- **Installation instructions** : see the Installation and Maintenance Manual (FUSE E/TAPE) or scan the QR code located on the product packaging.
- **Tools** : no specific tools are required for installation.
- **Maintenance** : no maintenance is required. However, periodic visual inspections are recommended to verify the tape's integrity, ensure it remains securely in place, and check for any signs of degradation.
- **Storage** : in a temperature-controlled environment. E/TAPE products must be stored between 10°C and 27°C with a relative humidity level below 75%.
- **Warranty** : when applied in accordance with MIDSUN® manufacturer recommendations and under the supervision of a SANERGRID® technical expert, this product is covered by a minimum 10-year manufacturer's warranty.



DISCOVER OUR OTHER
MIDSUN® RANGES

7 | Certified Local Partners for Your Support

We can provide local service and support through our European network of distributors and partners. If your territory is not yet covered, we can also travel on-site for technical supervision and assistance. Additionally, we can train local companies and provide homologation so that they can support you with qualified technical assistance on site.



FOR MORE INFORMATION
CONTACT US HERE

8 | Other Multimedia Content Related to the Range

- YouTube videos : <https://youtu.be/k0OyX0KAJJU> https://youtu.be/VOholvDpp_o
<https://youtu.be/xzp6oXv0i0I>
- SANERGRID® Group Website : <https://www.sanergrid.com/en/>
- TECHNIKELEC® Online Store : <https://www.technikelec.com/en/>
- News and Latest Projects : <https://www.sanergrid.com/en/news-sanergrid-group/>