

Temflex™ 1700

Vinyl Electrical Tape

Product Description

Temflex™ 1700 Electrical Tape is a good quality and economical general purpose vinyl insulating tape. It has excellent resistance to: abrasion, moisture, alkalies, acid, copper corrosion and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that has a high wet dielectric strength, is flame-retardant and conformable, and provides excellent mechanical protection with minimum bulk. It is a UL listed and CSA certified "Insulating Tape".

Applications

- Primary electrical insulation for all wire and cable splices rated up to 600 volts.
- Protective jacketing for high voltage cable splices and repairs.
- Harnessing of wires and cables.
- For indoor or outdoor applications.
- For above or below grade applications.

Typical Data/Physical Properties

Temperature Rating	
UL 510	80°C (176°F)
CSA 22.2	80°C (176°F)
Flammability	
UL 510	Pass
Dielectric Strength*	
Standard Condition	>1000 V/Mil
After Humidity Condition	>90% of Standard
Insulation Resistance*	
	>10 ¹⁰ Megohms
Thickness*	7 mils
Elongation*	200%
Breaking Strength*	17 lbs/in
Adhesion*	
To Steel	24 oz/in
To Backing	22 oz/in

*ASTM D-1000

Note: These are typical properties and should not be used for specification purposes.

Installation Techniques

The tape shall be applied in half-lapped layers with sufficient tension to conform and produce a uniform covering. In most applications, this tension will reduce the tape's width to approximately 5/8 of its original width. On pigtail splices, the tape should be wrapped beyond the end of the wires and then folded back, leaving a protective cushion to resist cut-through. Always wrap the tape "uphill". **Apply the tape with no tension on the last wrap to prevent flagging.**

Maintenance

Temflex™ 1700 Electrical Tape is stable under normal storage conditions. It complies with the storage requirements of UL Standard 510.

Availability

Temflex™ 1700 Electrical Tape is available from your local 3M authorized electrical distributor. Its standard roll size is 3/4 in. x 60 ft.

Temflex™ 1700P Printed Tape is available in two roll sizes, 3/4 in. x 66 ft. and 1 1/2 in. x 44 ft., for use in MSHA-approved (Mine Safety and Health Administration) splicing kits.

Important Notice

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