

Temflex™ 1800

Vinyl Electrical Tape

Product Description

Temflex™ 1800 Electrical Tape is a good quality and economical general purpose vinyl insulating tape. It has excellent resistance to: abrasion, moisture, alkalis, acid, and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that has a high wet dielectric strength, is conformable, and provides excellent mechanical protection with minimum bulk.

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

Dielectric Strength*

Standard Condition >1000 V/Mil
After Humidity Condition >90% of Standard

Insulation Resistance*

>10⁶ Megohms

Thickness* 8 mils

Elongation* 200%

Breaking Strength* 20 lbs/in

Adhesion*

To Steel 16 oz/in
To backing 16 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. **Apply the tape with no tension on the last wrap to prevent flagging.**

Maintenance

Temflex™ 1800 Electrical Tape is stable under normal storage conditions.

Availability

Temflex™ 1800 Electrical Tape is available from 3M and your local 3M authorized electrical distributor.

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