



Temflex™ 1600

Vinyl Electrical Tape

Data Sheet



Product Description

Temflex™ 1600 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. Temflex 1600 meets the requirements of BS 3924.

Applications

- ❖ Primary electrical insulation for all wire and cable joints rated up to 600 volts.
- ❖ Protective jacketing for high voltage cable joints and repairs.
- ❖ Harnessing of wire and cables.
- ❖ For indoor and outdoor applications.

Typical Data/Physical Properties

Dielectric Strength*	
Standard Condition	> 39.4kV/mm
After Humidity Condition	> 90% of Standard
Insulation Resistance*	> 10 ⁶ Megohms
Thickness*	0.15mm
Elongation*	150%
Breaking Strength*	28N/10mm
Adhesion*	
To Steel	2N/10mm
To backing	2N/10mm
Colours:	Black, Red, Yellow, Blue, Brown, Green, Green/Yellow, Grey, Orange, White.

*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 joints, 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 1600 Electrical Tape is stable under normal storage conditions.

Availability

Temflex 1600 Electrical Tape is available from 3M and your local 3M authorised electrical distributor in the following standard roll sizes:

19mm x 20M

19mm x 33M

Other lengths and widths are available by special request.

Important Notice

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Printed in the UK.

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