

# Temflex™ 1700 Vinyl Electrical Tape

## Data Sheet

### Product Description

Temflex™ 1700 Electrical Tape is a good quality, economical general-purpose vinyl insulating tape. It has excellent resistance to; abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that is flame-retardant and conformable. Temflex™ 1700 provides excellent mechanical protection with minimum bulk. It is a UL Listed and CSA Certified “Insulating Tape”.

- UL Listed; UL 510 Standard “Insulating Tape” (product category OANZ), File E129200
- CSA Certification; Standard C22.2 No. 197-M1983 “PVC Insulating Tape” File LR 48769

### Applications

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

### Typical Data/Physical Properties

#### Temperature Rating

UL510 80°C (176°F)  
 CSA 22.2 80°C (176°F)

#### Flammability

UL510 Pass

#### Dielectric Strength

ASTM D1000  
 Standard Condition >5.6kV/mm  
 High Humidity 90% of Standard

#### Insulation Resistance

ASTM D1000 >10<sup>6</sup> Megohms

#### Thickness

ASTM D1000 0.178mm

#### Elongation

ASTM D1000 200%

#### Breaking Strength

ASTM D1000  
 22°C (72°F) 30N/10mm

#### Adhesion

ASTM D1000  
 To Steel 2.6N/10mm  
 To Backing 2.4N/10mm

Note: These are typical values 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. 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 ‘up-hill’. Apply the tape with no tension on the last wrap to prevent flagging.

### Shelf Life

Temflex™ 1700 has a 5 year shelf life from date of manufacture when stored under the recommended storage conditions. Store behind present stock in a clean dry place at a temperature of 21°C (70°F) and 40-50% relative humidity. Good stock rotation is recommended.

### 1700P Printed Version

1700P Phase Marking Tape is also available, launched to comply with the amended BS7671 Standard which came into force on 1<sup>st</sup> April 2004.

Roll size; 15mm x 10m.

Colours; Black Tape with white printing, or White Tape with black printing

Printed Characters; N, L1, L2, L3

For use at all Voltages for Phase Marking Cable Sheaths

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