



## ELECTRICAL INSULATION TAPES



# 3M Temflex 1610 Electrical Tape

3M Temflex™ 1610 Electrical Tape is a high quality, economical and versatile vinyl based insulating tape that is available in 10 colours. Temflex 1610 offers excellent resistance to abrasion, moisture, alkalis, acids and various weather conditions (including sunlight). This highly conformable tape is very easy to apply and has high wet dielectric strength and provides excellent mechanical protection of wrapped components with minimum bulk.

3M Temflex 1610 is designed for use in phase identification, colour coding of motor leads and piping systems and for the marking out of safety areas. It is also used as a protective jacketing for high voltage cable splices and the harnessing of wires and cables. It is used both indoors and outdoors.

### Properties

Dielectric Strength <sup>1</sup> Standard Condition	>39.4 kV/mm (>1000 v/mil)
Thickness <sup>1</sup>	0.15mm (6 mil)
Elongation <sup>1</sup>	200%
Breaking Strength <sup>1</sup>	18.5 kg/cm (16 lbs/in)
Adhesion to Steel <sup>1</sup>	1.75 N / 10mm (16 oz./in)
Adhesion to Backing <sup>1</sup>	1.75 N / 10mm (16 oz./in)

<sup>1</sup>Test Method ASTM D-1000

### 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 edge of the wires then folded back, leaving a protective cushion to resist cut-through. **Apply the tape with no tension on the last wrap to prevent flagging.**

### Availability

Standard Rolls are 18mm Wide x 20 Mtrs Long.

Available Colours: White, Black, Grey, Yellow, Red, Orange, Green, Blue, Brown, Green/Yellow

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#### Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.

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