



The Tape for Every Task – 3M Electrical Tapes Guide

Still not sure which 3M™ PVC Electrical Tape is right for your application?
Use this simple chart to compare the options or visit www.3M.co.uk/electrical



| Typical Values | 3M™ Temflex™ Tape 155 | 3M™ Temflex™ Tape 165 | 3M™ Temflex™ Tape 175 | Scotch® Tape 35 | Scotch® Super 33+™ Tape | Scotch® Tape Super 88 |
|--|--|--|---|--|--|--|
| Best For | Simple Light Tasks | Medium Duty Applications | Medium Duty | Medium to Heavy Duty | Medium to Heavy Duty | Heavy Duty |
| Target Applications | General bundling, marking, and secondary insulation | Temporary and/or non-critical marking, bundling, holding and secondary insulation | Semi-permanent bundling, holding and secondary insulation | Long lasting colour identification and marking | Permanent, low-voltage primary and secondary insulation, cable jacketing and mechanical protection | Permanent low-voltage primary and secondary insulation, cable jacketing, mechanical protection and padding |
| Application Environment | Normal temperatures and ambient conditions | Moderate temperatures and conditions | Moderate temperatures and conditions | Harsh temperatures and moist or corrosive conditions | Extreme temperatures and moist or corrosive conditions | Extreme temperatures and moist, corrosive or rough conditions |
| Certifications | IEC 60454-3-1-1/F-PVCP/60 and RoHS2015/863/ EU Compliant | VDE Certified, UL 510 Listed, IEC 60454-3-1-5/F-PVCP/90 and RoHS2015/863/ EU Compliant | UL 510 Listed, IEC 60454-3-1-6/F-PVCP/90 and RoHS2015/863/ EU Compliant | CSA and VDE Certified, UL 510 Listed, IEC 60454-3-1-6/F-PVCP/90 and RoHS2015/863/ EU Compliant | CSA and VDE Certified, UL 510 Listed, IEC 60454-3-1-7/F-PVCP/90 and RoHS2015/863/ EU Compliant | CSA and VDE Certified, UL 510 Listed, IEC 60454-3-1-7/F-PVCP/90 and RoHS2015/863/ EU Compliant |
| Operating Temperature¹ | 0 to 60°C | 0 to 90°C | -10 to 90°C | -10 to 105°C | -18 to 105°C | -18 to 105°C |
| Thickness | 0.13mm | 0.15mm | 0.18mm | 0.18mm | 0.18mm | 0.22mm |
| Sticking Power (Adhesion to Steel) | 1.8 N/10mm | 2 N/10mm | 2 N/10mm | 2.2 N/10mm | 3 N/10mm | 3 N/10mm |
| Stretch² (Elongation) | 150% | 200% | 200% | 225% | 250% | 250% |
| Strength² (Backing Strength) | 19.2 N/10mm | 23.1 N/10mm | 26.9 N/10mm | 30 N/10mm | 26.3 N/10mm | 35 N/10mm |
| Insulation² (Dielectric Strength) | 39 kV/mm | 39 kV/mm | 39 kV/mm | 49 kV/mm | 45 kV/mm | 45 kV/mm |
| Colour Details³ | | | | | | |

¹ Temperature range may vary by local agency standards.

² Based on ASTM D 1000. Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 23°C unless otherwise stated.

³ Not all colours available globally. Other colours may also be available in your local market. Yellow/Green typical values may vary. See local datasheet for details.