



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	General Use			Professional Grade		
	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.