











3M™ Electrical Tape Chart

3M™ & Scotch® PVC Electrical Tapes













Vinyl Electrical Tapes	Product Description/Application	Tape Thickness	Temp Range	Roll Size
Scotch® Super 33™ Professional Grade Vinyl Electrical Tape	 Insulates splices up to 600V. Repairs cable jacketing. Resists UV rays, abrasion, corrosion, alkalis and acids. Flame retardant. UL Listed and CSA Certified.	7 mil	105°C 221°F	3/4" x 66' (19 mm x 20,1 m) 2" x 66' (50.8 mm x 20,1 m)
Scotch® Heavy Duty Grade Vinyl Electrical Tape Super 88	 Thick, heavy duty vinyl protects cable and provides faster build-up. Insulates splices up to 600V. Repairs cable jacketing. Resists UV rays, abrasion, corrosion, alkalis and acids. Flame retardant. UL Listed and CSA Certified.	8.5 mil	105°C 221°F	3/4" x 66' (19 mm x 20,1 m)
Scotch® Professional Grade Color Coding Vinyl Electrical Tape 35	 9 fade-resistant colors identify and mark phases/cables. Insulate splices up to 600V. Repair cable jacketing. Resists UV rays, abrasion, corrosion, alkalis and acids. Flame retardant. UL Listed and CSA Certified.	7 mil	105°C 221°F	3/4" x 66' (19 mm x 20,1 m)
Scotch® Extra Heavy Duty Grade Vinyl Electrical Tape 22	 Extra-thick, heavy duty vinyl protects cable and provides faster build-up. Insulates splices up to 600V. Repairs cable jacketing. Resists UV rays, abrasion, corrosion, alkalis and acids. Flame retardant. UL Listed and CSA Certified.	10 mil	80°C 176°F	3/4" x 36 yd (19 mm x 32,9 m) 1-1/2" x 36 yd (38 mm x 32,9 m)
Scotch 790 Commercial Grade Vinyl Electrical Tape	 Bundles cable and pull wire. Insulate splices up to 600V. Flame retardant. UL Listed and CSA Certified.	7 mil	80°C 176°F	3/4" x 66' (19 mm x 20,1 m)
3M™ GU 1500 Vinyl Electrical Tape with color coding	 Bundles cable, wire pull and repair cable jacketing. Flame retardant.	5 mil	80°C 176°F	3/4" x 60' (18 mm x 20 yd)
3M™ Tape 1258JR Vinyl Electrical Tape	 Bundles Cable, wire pull and repairing cable jacketing	5 mil	0 - 80°C	3/4" x 11.6' (18 mm x 5yd) 3/4" x 46.6' (18 mm x 20yd)

Insulating and Sealing Tapes	Product Description/Applications	Tape Thickness	Temp Range	Roll Size
Scotch® Professional Grade Linerless Rubber Splicing Tape 130C	 Insulate and splice solid dielectric cables through 69kV. Linerless, high-voltage insulating, thermally conductive, self-bonding rubber.	30 mil	continuous: 90°C / 194°F short-term: 130°C / 266°F	1" x 30' (25 mm x 9,1 m) 3/4" x 30' (19 mm x 9,1 m) 2" x 30' (50 mm x 9,1 m)
Scotch® Professional Grade Lined Rubber Splicing Tape 23	 Insulate and splice solid dielectric cables through 69kV. Lined, insulating, thermally conductive, self-bonding rubber.	30 mil	/194°F short term: 130°C / 266°F	3/4" x 30' (19 mm x 9,1 m) 1" x 30' (25 mm x 9,1 m) 1-1/2" x 30' (38 mm x 9,1 m) 2" x 30' (50 mm x 9,1 m)
3M™ 2858 Low Voltage Rubber Rubber Tape	 Insulate and splice solid dielectric cables for. Recommended for 1kV. Lined, insulating, thermally conductive, self bonding rubber.	30 mil	continuous: 80°C / 176°F short-term: 105°C / 221°F	3/4" x 14.7' (19 mm x 4,5 m)

Many 3M Electrical Products including electrical tapes, are ROHS Compliant. To check the compliance status of a 3M Electrical Product, go to www.3m.com/electrical Please check availability with 3M authorized distributors.










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3M™ & Scotch® Splicing Sealing & Insulating Tapes

Insulating and Sealing Tapes	Product Description/Applications	Tape Thickness	Temp Range	Roll Size
3M™ 2166 Mastic Tape 	Combined using with 3M Vinyl Electrical Tape and provide and additional moisture sealing for cable, duct. Quick and easy insulating, padding and sealing of object that need to be protected from moisture.	3.175 mm	-18°C - 55°C /-0.4°F - 131°F	(600 mm x 63.5 mm)
Scotch® Professional Grade Semi-Conducting Tape 13 	Rubber tape, semi-conductive. Compatible with cable semi-conducting jackets. Electrically ground high-voltage connections. Provides cable shield continuation.	30 mil	continuous: 90°C /194°F short term: 130°C / 266°F	3/4" x 15' (19 mm x 4,5 m) 1-1/2 x 66' (38 mm x 20,1 m)
Scotch® Professional Grade Silicone Rubber Tape 70 	Protects and overwraps high-voltage cable terminations and serves as base layer to provide clean reentry into connections. Arc and track resistant. Self-fusing, long-lasting, silicone rubber.	12 mil	180°C 356°F	1" x 30' (25 mm x 9,14 m)
Scotch® Professional Grade Heavy Duty Triangular Silicone Rubber Tape 70HDT 	Protects and overwraps high-voltage cable terminations, and serves as base layer to provide clean reentry into connections. Arc and track resistant. Self-fusing, long-lasting, thick silicone rubber, with a triangular tapered edge profile and a blue guideline for half-lapping.	20 mil center, 8 mil edge	180°C 356°F	1" x 30' (25 mm x 9,14 m)
Scotch® Professional Grade Shielding Tape 24 	All-metal open-weave shielding braid, conformable, temperature stable. Continue electrostatic shielding across splice.	—	—	1" x 15' (25 mm x 4,5 m) 1" x 100' (25 mm x 30,4 m)
Scotch® Professional Grade Grounding Tape 25 	All-metal woven braid; high current-carrying capacity of 6AWG wire. Solderable. Conformable ground braid for splices and terminations.	—	—	1/2" x 15' (12 mm x 4,57 m)
Mastics	Product Description/Applications	Tape Thickness	Temp Range	Roll Size
Scotch-Seal™ Professional Grade Mastic Sealing Tape 2229* 	Provides excellent environmental and moisture seal. Conformable and durable mastic for sealing high-voltage cables and accessories. Overwrap with vinyl.	125 mil	80°C 176°F	3-3/4" x 10' (95 mm x 3,0 m) 1" x 10' (25 mm x 3,05 m)
Scotch® Professional Grade Rubber Mastic Sealing Tape 2228* 	Provides excellent environmental and moisture seal. Extra-conformable and durable rubber-backed mastic for sealing high-voltage cables and accessories. "Built-in" rubber backing for added conformability. Overwrap with vinyl.	65 mil	90°C / 194°F emergency overload of 130°C / 266°F	2" x 3' (50 mm x 0,9 m) 1" x 10' (25 mm x 3,0 m) 2" x 10' (51 mm x 3,05 m)
3M Scotchfil™ Electrical Insulation Putty 	Black, self-fusing, insulating putty in tape form.	125 mil	80°C 176°F	1-1/2" x 60" (38 mm x 1,53 m)
Scotch® Professional Grade Vinyl Mastic Sealing Tapes 2200, 2210, 06147, and 06149* 	Provides excellent environmental and moisture seal. Conformable and durable mastic for sealing high-voltage cables and accessories. "Built-in" vinyl backing for fast application and abrasion resistance.	2200 is 125 mil 2210 is 90 mil 6147 is 45 mil 6149 is 45 mil	80°C 176°F	6-1/2" x 4-1/2" (165 mm x 144 m) pads 3-1/4" x 4-1/2" (82 mm x 144 m) pads 4" x 10' (101 mm x 3,04 m) 2-1/2" x 10' (63 mm x 3,04 m) 2-1/2" x 2-1/2" (63 mm x 63 m) pads
Corrosion Protection Tapes	Product Description/Applications	Tape Thickness	Temp Range	Roll Size
3M™ Scotchrap™ Professional Grade Corrosion Protection Tapes 50 and 51* 	Protect pipe, conduits and fittings from corrosion. All-weather performance and corrosion resistance. Abrasion and impact-resistant.	50 is 10 mil 51 is 20 mil	176°F 80°C	1" x 100' (25 mm x 30,5 m) 2" x 100' (51 mm x 30,5 m) 3" x 100' (76 mm x 30,5 m) 4" x 100' (102 mm x 30,5 m) 6" x 100' (152 mm x 30,5 m)
3M™ Scotchrap™ Professional Grade Pipe Primer 	Quick-dry, non-sag rubber base primer that prepares metal surfaces for tape application. For use with Scotchrap Tapes 50 & 51, Temflex Tapes 1100 & 1200.	na	80°C 176°F	1 gallon can (3,79 liters)

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3M™ & Scotch® Specialty Tapes & Supplies

Special Use Tapes	Product Description/Applications	Tape Thickness	Temp Range	Roll Size
Scotch® Thread Sealant and Lubricant Tape 48	 Pipe thread sealant that provides a leakproof seal. Leakproof seal helps prevent cross threading on pipe threads.	3 mil	260°C 500°F	1/4" x 260" (6,3 mm x 7 m) 1/2" x 260" (13 mm x 7 m) 1/2" x 520" (13 mm x 13 m) 1/2" x 1296" (13 mm x 33 m)
Scotch® Glass Cloth Tape 27 and 69	 Woven insulating glass cloth; high temperature resistance. High mechanical strength. Heat stable insulation for furnace and oven controls, motor leads & switches.	27 is 7 mil 69 is 7.5 mil	27 is Class B temp (130°C / 266°F) 69 is class H temp (180°C / 356°F)	1/2" x 66' (12 mm x 20,1 m) 3/4" x 66' (19 mm x 20,1 m)
3M™ Fire and Electric Arc Proofing Tape 77	 Protects cable until limiting device can interrupt faulted current.	30 mil	N/A	RoHS
Scotch® Varnished Cambric Tape 2510 and 2520	 Yellow, varnish coated cotton cloth 2510: no adhesive; 2520: adhesive.	7 mil 8 mil	105°C 220°F	Insulate bus bars, motor leads 9for re-entry), service drop connections.
Scotch® Barricade Tape 300	 Durable polyethylene plastic, bold 2" letters, long roll length, will not tear easily, attracts attention. Barricade applicable in both large and small areas.		N/A	3" x 300' 3" x 1000'
3M™ Scotch® 2000 Electrician's Bundling Tape	 General holding and bundling applications, no-cloth material, easy to tear and clean removal.	6 mil	-	2" x 50 yd (50 mm x 46 m)
3M™ Scotch® Mining Tape 31 Heavy-Duty Grade	 Provides excellent environmental and moisture seal. Extra conformable and durable rubber-backed mastic for sealing. Fire retardant	60 mil	-	2" x 8.5' (50.88 mm x 2.59 m)
3M™ Performance Plus Wire Connectors (R/Y+, T/Y+, B/G+)	 Flexible skirt w/square wire	600 V (1000V in sign, lighting fixtures and luminaries)	105°C 221°F	2#18-2#8 5#12 (2,0 mm²-16,0 mm²) 2#22-3#12 3#14 (1,0 mm²-5,0 mm²) 4#14-2#6-3#8 (10,0 mm²-31,6 mm²)
3M™ Comfort Grip Gloves	 Nitrile Foam Coated Gloves Exceptional Comfort & Breathability	Excellent durability Excellent grip and dexterity Human and environment friendly Chemical and oil resistance		M, L, XL

Wire and Cleaning Maintenance	Product Description	Packaging / Volume Weight
Aerosol Product	 Zinc Spray 16-501 : to protect iron and steel from corrosion. Quick Dry and halogen Free	Net weight : 14 oz (397 gr)
	 Contact Cleaner 16-102 : to clean electrical and electronic components. Quick dry, leaves no residue and non corrosive.	Net weight : 16 oz (450 gr)
	 Insulating Sealer 1601/1602/1603 : to protect wires, electrical switchboard and components from moisture and contaminants. Available in clear, red and black color.	Net weight : 12 oz (340 gr)
Wire Lubricant	 Excellence lubrications, reduce friction between cables and conduit. Easy to clean up, minimal residue left behind. Available in clear color, will not leave stain in job area.	WL-QT : 1 quart squeeze bottle WL-1 : 1 pail gallon