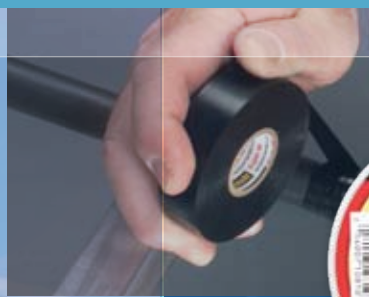
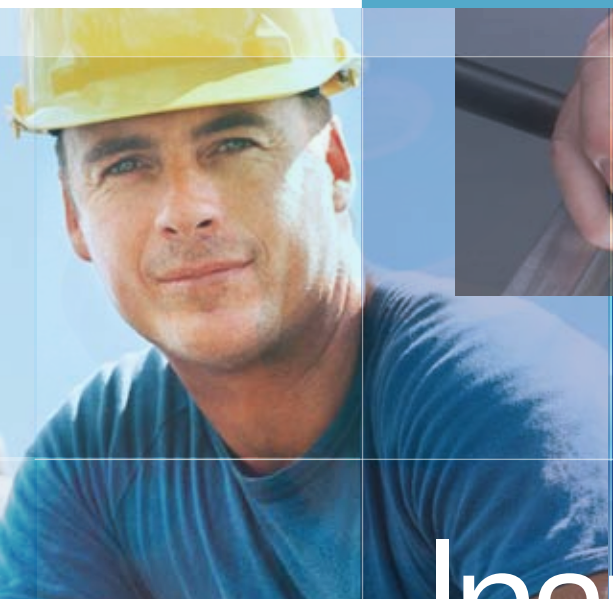


3M Electrical Tapes
Product Selection Guide



Insulate & Protect
with Quality Tapes

Preliminary





Get your hands on 3M Tape!

3M now offers new and experienced electricians a chance to sharpen their skills with the complete 3M tape training kit (80-6114-2896-4).

The kit contains all the tools needed for the following applications:













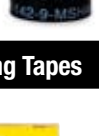
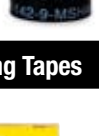








- Insulating & wrapping a split bolt
- Insulating & wrapping a motor lead connection
- Insulating & wrapping an inline splice
- Insulating & wrapping a bus bar




















Contact your local 3M rep and ask them how you can get your hands on 3M tape today.
















Preliminary

3M Electrical Tape Chart

Vinyl Electrical Tapes		Product Description/Applications	Thickness	Max. Temp.	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) 3/4" x 44' (19 mm x 13,4 m) 3/4" x 20' (19 mm x 6,0 m) 3/4" x 36 yd (19 mm x 32,9 m) 1" x 36 yd (25,4 mm x 32,9 m) 1-1/2" x 36 yd (38 mm x 32,9 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) 3/4" x 44' (19 mm x 13,4 m) 3/4" x 36 yd (19 mm x 32,9 m) 1" x 36 yd (25,4 mm x 32,9 m) 1-1/2" x 36 yd (38 mm x 32,9 m) 1-1/2" x 44' (38 mm x 13,4 m) 2" x 36 yd (51 mm x 32,9 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 60' (19 mm x 18,2 m) 1/2" x 20' (12 mm x 6,1 m) 3/4" x 66' (19 mm x 20,1 m) 1/2" x 20' (12 mm x 6,1 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	1/2" x 36 yd (13 mm x 32,9 m) 3/4" x 36 yd (19 mm x 32,9 m) 1" x 36 yd (25,4 mm x 32,9 m) 1-1/2" x 36 yd (38 mm x 32,9 m) 2" x 36 yd (51 mm x 32,9 m)
3M™ Highland™ Medium Grade Vinyl Electrical Tape 		Bundles cable and pull wire. Insulate splices up to 600V. Flame retardant. UL Listed and CSA Certified.	7 mil	90°C 194°F	3/4" x 60' (19 mm x 20,1 m) 3/4" x 66' (19 mm x 20,1 m)
3M™ Temflex™ Economy Grade Vinyl Electrical Tape 1700 		Bundle cable, wire pull and repair cable jacketing. Flame retardant. UL Listed and CSA certified.	7 mil	80°C 176°F	3/4" x 60' (19 mm x 18,2 m) 3/4" x 36 yd (19 mm x 32,9 m) 3/4" x 66' (19 mm x 20,1 m) 1" x 66' (25,5 mm x 20,1 m)
3M™ Temflex™ Mining Grade Vinyl Electrical Tape 1700P 		Insulate and repair mining cable jacketing. Flame retardant. Printed for use in MSHA-approved splicing kits.	7 mil	80°C 176°F	3/4" x 66' (19 mm x 20,1 m) 1-1/2" x 44' (38 mm x 13,4 m) 1-1/2" x 66' (38 mm x 20,1 m) 3/4" x 66' (19 mm x 20,1 m) 1-1/2" x 44' (38 mm x 13,4 m) 1-1/2" x 66' (38 mm x 20,1 m)
Insulating and Splicing Tapes		Product Description/Applications	Thickness	Max. Temp.	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) 1-1/2" x 30' (38 mm x 9,1 m) 2" x 30' (50 mm x 9,1 m) 1" x 10' (25 mm x 3,05 m) 1" x 15' (25 mm x 4,6 m)
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 Lined Rubber Splicing Tape 23 		Insulate and splice solid dielectric cables through 69kV. Lined, insulating, thermally conductive, self-bonding rubber.	30 mil	continuous: 90°C / 194°F short term: 130°C / 266°F	3/4" x 30' (19 mm x 9,1 m) 1" x 20' (19 mm x 25 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)
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 30,5 m) 2" x 10' (51 mm x 3,05 m)

Insulating and Splicing Tapes		Product Description/Applications	Thickness	Max. Temp.	Roll Size
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)
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® Fire and Electric Arc Proof Tape 77		Protects cable until limiting devices can interrupt faulted current.	30 mil	—	1-1/2" x 20' (38 mm x 6,1 m) 3" x 20' (76 mm x 6,1 m)
Scotch® Medium Grade Linerless Rubber Splicing Compound 2242		Splice and insulate cables and connections. General purpose, linerless rubber insulating tape.	30 mil	continuous: 90°C / 194°F short-term: 130°C / 266°F	3/4" x 15' (19 mm x 4,56 m) 1-1/2" x 15' (38 mm x 4,56 m) 2" x 15' (51 mm x 4,56 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® Varnished Cambric Tape 2510 and 2520		Yellow, varnish coated cotton cloth 2510: no adhesive; 2520: adhesive.	2510 is 7 mil 2520 is 8 mil	105°C 220°F	3/4" x 60" (19 mm x 18,3 m) 3/4" x 36 yd (19 mm x 33 m) 1" x 36 yd (25 mm x 33 m) 1-1/2" x 36 yd (38 mm x 33 m) 2" x 36 yd (51 mm x 33 m) 36" x 25 yd (914,4 mm x 22,9 m) 2510 only
3M™ Temflex™ Lined Rubber Splicing Tape 2155		Economical, low-voltage, lined rubber insulating tape. Up to 600 volts.	30 mil	80°C 176°F	3/4" x 22' (19 mm x 6,7 m) 1-1/2" x 22' (38 mm x 6,7 m)
Sealing and Insulating Tapes		Product Description/Applications	Thickness	Max. Temp.	Roll Size
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 114 mm) pads 3-1/4" x 4-1/2" (82 mm x 114 mm) 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 mm) pads
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™ 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® Cable Jacket Repair Tape 2234 		Tough, black, self-healing, abrasion-resistant backing for jacket repair on industrial cables.	TBD	90°C 194°F	2" x 6' (51 mm x 1,82 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)

Corrosion Protection Tapes		Product Description/Applications	Thickness	Max. Temp.	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	80°C 176°F	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.	N/A	80°C 176°F	1 gallon can (3,79 liters)	
3M™ Temflex™ Economy Grade Corrosion Tape 1100 and 1100P 	General purpose corrosion tape.	10 mil	80°C 176°F	2" x 100' (51 mm x 30, 5 m)	
3M™ Temflex™ Economy Grade Corrosion Tape 1200 and 1200P 	General purpose corrosion tape.	20 mil	80°C 176°F	2" x 100' (51 mm x 30, 5 m)	
Special Use Tapes		Product Description	Thickness	Max. Temp.	Roll Size
Scotch® Heavy Duty Mining Tape 31 	Tough, abrasion-resistant backed and flexible tape for jacket repair on mining cables.	60 mil	90°C 194°F	2" x 6' (51 mm x 1,8 m) 2" x 8.5' (51 mm x 2,6 m) 2" x 10' (51 mm x 3,05 m)	
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.	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) 3/4" x 60 yd (19 mm x 54,8 m) 1" x 60 yd (25 mm x 54,8 m) 1-1/2" x 60 yd (38 mm x 54,8 m) 1/2" x 36 yd (13 mm x 33 m) 3/4" x 36 yd (19 mm x 33 m) 1" x 36 yd (25 mm x 33 m)	
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.	3 mil	N/A	3" x 300' (76 mm x 91,4 m) 3" x 1000' (76 mm x 304,8 m)	
3M™ Duct Tape 6969 	Extra heavy duty duct tape, excellent adhesion, tears easily. Silver.	10.7 mil	93°C 200°F	1-7/8" x 60 yd (48 mm x 54,8 m) 2-13/16" x 60 yd (72 mm x 54,8 m)	
3M™ Duct Tape 2929 	Utility grade, conformable cloth duct tape	6 mil	93°C 200°F	1-7/8" x 50 yd (48 mm x 45,7 m) 2-13/16" x 50 yd (72 mm x 45,7 m)	
3M™ Outdoor Masking and Stucco Tape 5959 	Construction, marine and maintenance, 90 day UV resistant waterproof backing	12 mil	93°C 200°F	1-7/8" x 45 yd (48 mm x 41.1 m)	
3M™ Value Duct Tape 1900 	Light duty sealing and holding for non-critical uses, water resistant	5.8 mil	93°C 200°F	1-7/8" x 50 yd (48 mm x 45,7 m) 2-13/16" x 50 yd (72 mm x 45,7 m)	
3M™ Performance Plus Duct Tape 8979 	High performance tape that removes cleanly up to six months after exposure to sunlight and temperature extremes. Aggressive adhesive and high tensile strength for demanding applications	12.6 mil	93°C 200°F	1" x 60 yd (24 mm x 54, 8 m) 2" x 60 yd (51 mm x 54,8 m)	

Special Use Tapes	Product Description/Applications	Thickness	Max. Temp.	Roll Size
3M™ Temflex™ Cotton Friction Tape 1755	 Provides extra abrasion resistance for splices and connections.	15 mil	80°C 176°F	3/4" x 60' (19 mm x 18,28 m) 3/4" x 82-1/2' (19 mm x 25 m) 1-1/2" x 82-1/2' (38 mm x 25 m)
Scotch® Performance Masking Tape 232	 Premium grade masking tape.	6.3 mil	Up to 121°C 250°F	3/4" x 60 yd (18 mm x 54.8 m) 1" x 60 yd (24 mm x 54.8 m) 2" x 60 yd (48 mm x 54.8 m)
Scotch® General Purpose Masking Tape 234	 General purpose masking tape.	6.0 mil	Up to 121°C 250°F	3/4" x 60 yd (18 mm x 54.8 m) 1" x 60 yd (24 mm x 54.8 m) 2" x 60 yd (48 mm x 54.8 m)
3M™ Paper Tape 200	 Utility purpose paper tape.	4.5 mil	93°C 200°F	1/2" x 60 yd (12 mm x 54.8 m) 3/4" x 60 yd (18 mm x 54.8 m) 1" x 60 yd (24 mm x 54.8 m) 1-1/2" x 60 yd (36 mm x 54.8 m) 2" x 60 yd (48 mm x 54.8 m) 3" x 60 yd (72 mm x 54.8 m) 4" x 60 yd (96 mm x 54.8 m)
3M™ Duct Tape 3939	 Heavy duty duct tape; good adhesion, strong backing. Silver.	9 mil	65°C 150°F	.94" x 60 yd (24 mm x 54.8 m) 1.88" x 60 yd (48 mm x 54.8 m) 2.83" x 60 yd (72 mm x 54.8 m) 3.77" x 60 yd (96 mm x 54.8 m)
Scotch® Heavy Duty All-Weather Duct Tape 2245	 Resists harsh outdoor conditions and stays pliable.	9.5 mil	Up to 66°C 150°F	1.88" x 45 yd (48 mm x 40 m)
Scotch® Professional HVAC Duct Tape 133DC	 Aggressive adhesive for air and moisture, light industrial, and HVAC applications.	10 mil	93°C 200°F	1.88" x 60 yd (48 mm x 54.8 m)
3M™ Performance Plus Duct Tape 8979N-Nuclear	 6 month clean removal duct tape. Sunlight resistant, leaves behind no sticky residue.	12.6 mil	93°C 200°F	1.88" x 60 yd (48 mm x 54.8 m) 2.83" x 60 yd (72 mm x 54.8 m)
Scotch® Transparent Duct Tape 2120-A	 Transparent, resistant to water and UV rays.	9 mil	173°F	1.88" x 20 yd (48 mm x 18 m)
Scotch® Electricians Bundling Tape 2000	 General purpose easy tear vinyl duct tape.	6 mil	N/A	2" x 50 yd (51 mm x 46 m)
3M™ Duct Tape 3900	 Multi-purpose duct tape. Available in seven colors for color-coding jobs.	7.7 mil	93°C 200°F	1.88" x 60 yd (48 mm x 54.8 m)
3M™ Cloth Gaffers Tape 6910	 High tack, easy tear coated cloth tape.	12 mil	Up to 93°C 200°F	1.88" x 60 yd (48 mm x 54.8 m)
3M™ Vinyl Duct Tape 3903	 Low-medium adhesion for all around jobs. Available in seven color for color coding.	6.2 mil	Up to 121°C 250°F	1.97" x 50 yd (50 mm x 45.7 m)

Packaging and Palletizing Tapes	Product Description/Applications	Thickness	Max. Temp.	Roll Size	
Scotch® Premium Heavy Duty Box Sealing Tape 3750		Superior performance packaging tape used for heavy duty packaging applications.	3.2 mil	Short term: 65°C 151°F	1-4/5" x 54 yd (48 mm x 50 m)
Scotch® Printed Box Sealing Tape 3732 and 3734		3732- "If seal is broken check" 3734- "Fragile handle with care" Tan with red printing	N/A	N/A	1-4/5" x 109 yd (48 mm x 100 m)
3M™ Highland™ Commercial Box Sealing Tape 3710		Commercial grade box sealing tape.	2 mil	Short term: 65°C 151°F	1-4/5" x 54 yd (48 mm x 50 m) 1-4/5" x 109 yd (48 mm x 100 m)
Scotch® Box Sealing Hand Dispensers H-122		Box sealing Hand Dispensers	N/A	N/A	2" (50.8 mm)
Scotch® Series Printed Box Sealing Tape 3770		3771- "If Seal is Broken Check Contents Before Accepting" 3772- "Fragile Handle with Care" 3773- "Rush, Rush, Rush" 3775- "Mixed Merchandise"	1.9 mil	N/A	1-9/10" x 104 yd (48 mm x 100m)
Scotch® Box Sealing Tape 371		Industrial packaging tape.	1.9 mil	N/A	2-4/5" x 54.6 yd (72 mm x 50 mm) 2-4/5" x 109.3 yd (72 mm x 100 mm)
Scotch® Box Sealing Roll-on Dispensers H-180		Box sealing Roll-on Dispensers	N/A	N/A	2" (50.8 mm)
Scotch® Industrial Grade Filament Tape 893		Industrial grade filament and packaging tape that is abrasion and moisture resistant.	6 mil	Short term: 65°C 151°F	1/2" x 60 yd (13 mm x 55 m) 3/4" x 60 yd (19 mm x 55 m) 1" x 60 yd (25 mm x 55 m)
Scotch® Commercial Grade Filament Tape 897		Commercial grade filament tape with synthetic rubber resin adhesive.	6 mil	50°C 120°F	1/2" x 60 yd (13 mm x 55 m) 3/4" x 60 yd (19 mm x 55 m) 1" x 60 yd (25 mm x 55 m)
Scotch® Filament Tape Dispensers H-10		Filament Tape Dispensers	N/A	N/A	1" (25 mm)
Scotch® Film Tape 8210		Lightly pink tinted label.	2.5 mil	N/A	4" x 72 yd (10 cm x 66 m)
Scotch® Pouch Tape 8240		Pressure sensitive tape with rectangular window and orange border.	2.5 mil	N/A	5" x 6" (13 cm x 15 cm)
Scotch® Commercial Label Protection Tape 3565		Utility grade label protection tape.	1.9 mil	N/A	3-7/10" x 104 yd (96 mm x 95 m)
Scotch® Stretchable Tape 8884 and 8886		High performance transparent stretchable tape.	8884- 5 mil 8886- 7 mil	N/A	1-3/10" x 60 yd (36 mm x 55 m)

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Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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