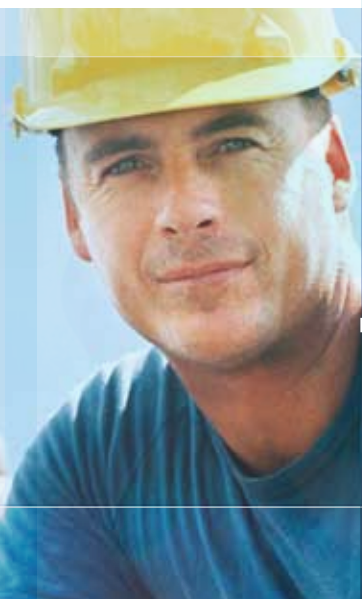


3M Electrical Tapes

Product Selection Guide






















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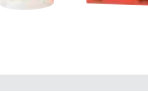






3M Electrical Tapes Chart








Vinyl Electrical Tapes	Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Super 33+™ Professional Grade Vinyl Electrical Tape 	Highly conformable, super stretchy in all weather applications; resists UV rays, abrasion, corrosion, alkalies and acids. Primary insulation for splices up to 600V. Protective jacketing.	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 	All weather; heavy duty, professional use, abrasion resistant, fast build up. Primary insulation for splices up to 600V. Protective jacketing.	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 	Nine fade-resistant colors, super stretchy and conformable, excellent insulating properties. Resists UV rays, abrasion, corrosion, alkalies and acid. Phase identification and marking. Harnessing.	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 	Thicker for increased mechanical strength and abrasion resistance. Electrical insulating. Bus bar insulation. Cable jacket repair.	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 	Flexible, stretchy, conformable, commercial grade vinyl. Flame retardant. Protective jacketing. Harnessing. Bundling.	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 	Economical, flexible, general purpose tape. Protective jacketing. Harnessing. Bundling.	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)
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)

Insulating and Splicing Tapes	Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Professional Grade Linerless Rubber Splicing Tape 130C 	High voltage insulating; thermally conductive; self-bonding. Primary electrical insulation for splicing all solid dielectric cables through 69kV.	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 Lined Rubber Splicing Tape 23 	High and low voltage insulation, self-fusing rubber tape. Primary electrical insulation for splicing all solid dielectric cables through 69kV.	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® Medium Grade Linerless Rubber Splicing Compound 2242 	General purpose rubber insulating tape. All-voltage splicing, jacketing and general insulating.	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™ Temflex™ Lined Rubber Splicing Tape 2155 	Replaces 2150. Economical low voltage rubber insulating tape; self-fusing. Insulating wire splices, split bolt connections and motor leads up to 600V.	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)
Scotch® Professional Grade Semi-Conducting Tape 13 	Rubber tape, semi-conductive. Compatible with cable semi-conducting jackets. Electrically round high voltage connections. Provide 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 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)
Scotch® Professional Grade Grounding Tape 25 	All metal woven braid; high current carrying capacity of 6 AWG 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 	Arc and track resistant; self fusing, long lasting silicone rubber. Protective overwrap for terminating high voltage cables.	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 	Arc and track resistant; self fusing, long lasting silicone rubber, triangular tapered edge profile and a blue guideline. Protective overwrap for terminating high voltage cables.	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. Use of high-energy cables that are within 18" of other high energy cables.	30 mil	—	1-1/2" x 20' (38 mm x 6,1 m) 3" x 20' (76 mm x 6,1 m)
Scotch® Fire and Electric Arc Proof Tape 77W 	Used on high-energy cables that are within 18" (close proximity) of other cables or valuable assets. Easily visible, easy inspection.	30 mil	—	1-1/2" x 20' (38 mm x 6,1 m) 3" x 20' (76 mm x 6,1 m)
Scotch® Varnished Cambric Tape 2510 and 2520 	Yellow, varnish coated cotton cloth 2510: no adhesive; 2520: adhesive. Insulate bus bars, motor leads (for re-entry), service drop connections.	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

Sealing and Insulating Tapes	Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Professional Grade Vinyl Mastic Sealing Tapes 2200, 2210, 06147, and 06149 	Excellent moisture sealant; tough vinyl backing; electrical insulating. Insulate moisture-seal and pad connections up to 600V.	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 	Self-fusing rubber based compound bonded to a moisture sealing mastic; all weather. Insulate, pad and seal bus bar and splice connections.	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 	Conformable and durable mastic. Excellent moisture and environmental seal. Sealing high voltage cables and accessories.	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.	60 mil	105°C 221°F	2" x 6' (51 mm x 1,82 m)
3M Scotchfil® Electrical Insulation Putty 	Self-fusing, insulating putty in tape form. Smoothes irregularities on fittings and valves.	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 	All-weather performance and corrosion resistance. Resistant to impact and abrasions. Corrosion protection on pipes, conduits and fittings, etc.	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 and 51 and Temflex™ Tape 1100.	N/A	80°C 176°F	1 gallon can (3,79 liters)
3M™ Temflex™ Economy Grade Corrosion Tape 1100 and 1100P 	General purpose corrosion resistant tape. Good abrasion resistance. Corrosion protection on conduits, fittings and joints, etc.	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 resistant tape. Good abrasion resistance. Corrosion protection on conduits, fittings and joints, etc.	20 mil	80°C 176°F	2" x 100' (51 mm x 30, 5 m)
Special Use Tapes	Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Heavy Duty Mining Tape 31 	Tough, abrasion-resistant backed and flexible tape for jacket repair on mining cables. MSHA-approved.	60 mil	105°C 221°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 leak proof 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 and 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) 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 Series 	Durable polyethylene plastic, bold 2" letters, long roll length, will not tear easily, attracts attention. Barricade applicable in both large and small areas. Available in various sizes, thicknesses and with different warning messages.	2 mil 3 mil 4 mil	N/A	3" x 300' (76 mm x 91,4 m) 3" x 1000' (76 mm x 304,8 m)

Special Use Tapes		Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Detectable Buried Barricade Tapes 400 Series		Designed for accurately locating and helping prevent damage to underground utility installations. Aluminum backing.	5 mil	N/A	3" x 1000' (76 mm x 304.8 m) 6" x 1000' (152 mm x 304.8 m)
Scotch® Repulpable Barricade Tapes 500 Series		Reusable tape made of tightly-woven cotton fibers. For indoor applications and recycling areas.	N/A	N/A	3" x 150' (76 mm x 45.7 m)
Scotch® Barricade Tape 600HS Series		High stretch warning tape for damage prevention of underground lines and assets. Excellent elongation and tensile strength.	6 mil	N/A	3" x 1000' (76 mm x 304.8 m) 6" x 1000' (152 mm x 304.8 m)
3M™ Temflex™ Cotton Friction Tape 1755		High grade friction tape. Good abrasion resistance. Abrasion protection 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® High Performance Masking Tape 232		Excellent paint masking tape. Holding, bundling and protecting.	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		Designed for non-critical masking. Holding, bundling and protecting.	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. Non-critical masking and holding.	4.1 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 6969		Industrial strength duct tape. Excellent adhesion, tears easily. Moisture proofing. Reinforcing, bundling, splicing and temporary repair.	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™ Utility Duct Tape 2929		Utility grade. Quick easy tear. Temporary repairs, seals, holds and marks.	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		90 day clean removal. Indoor/Outdoor duct tape. UV resistant for up to 90 days. For masking stucco, EIFS tile, brick, concrete, stonework and composites.	12 mil	93°C 200°F	1-7/8" x 45 yd (48 mm x 41.1 m)
3M™ Value Duct Tape 1900		Economical choice. Quick easy tear.	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		6 month clean removal duct tape. UV resistant for up to one year. Caps pipe ends and conduit stored outdoors. Hanging, sealing poly drapes.	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)
3M™ Duct Tape 3939		Heavy duty duct tape; good adhesion, strong backing. Sealing, bundling. Moisture proofing, splicing and temporary repair.	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. Outdoor projects.	9.5 mil	Up to 66°C 150°F	1.88" x 45 yd (48 mm x 40 m)

Special Use Tapes		Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Professional HVAC Duct Tape 133DC		Aggressive adhesive for air and moisture, light industrial, and HVAC applications. Wrapping pipes, sealing ducts, general repairs.	10 mil	93°C 200°F	1.88" x 60 yd (48 mm x 54.8 m)
3M™ Performance Plus Duct Tape Nuclear Grade 8979N		6 month clean removal duct tape. UV resistant for up to one year. Critical containment for utilities and nuclear power plants.	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. Bundling, patching, sealing, general repairs.	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. General holding and bundling.	6 mil	N/A	2" x 50 yd (51 mm x 46 m)
3M™ Duct Tape 3900		General purpose duct tape. Available in seven colors for color-coding jobs. Maintenance and repair, pulling wires through conduit.	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. Sealing and holding where minimum light reflection and glare are required.	12 mil	Up to 93°C 200°F	1.88" x 60 yd (48 mm x 54.8 m)
3M™ Vinyl Duct Tape 3903		General purpose duct tape made from hand tearable embossed vinyl backing coated with rubber adhesive. Available in seven colors for color coding.	6.3 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 Packaging Tape 3750		Superior performance packaging tape used for heavy duty packaging applications. Single strip closure of regular slotted containers.	3.2 mil	Short term: 65°C 151°F	1-4/5" x 54 yd (48 mm x 50 m)
Scotch® Printed Message Box Sealing Tape 3732 and 3734		3732- "If seal is broken check"; 3734- "Fragile handle with care"; tan with red printing. Box sealing tapes with warnings.	N/A	N/A	1-4/5" x 109 yd (48 mm x 100 m)
Scotch® Packaging Sealing Tape 3710		Commercial grade box sealing tape. General purpose closure of regular slotted containers (RSCS).	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 Tape Dispenser H-122		Box sealing tape dispenser.	N/A	N/A	2" (50.8 mm)
Scotch® Series Printed Box Sealing Tape 3771, 3772, 3775		3771- "If Seal is Broken Check Contents Before Accepting"; 3772- "Fragile Handle with Care"; 3775- "Mixed Merchandise". General purpose box sealing tapes and identification.	1.9 mil	N/A	1-9/10" x 104 yd (48 mm x 100 m)
Scotch® Box Sealing Tape 371		Industrial packaging tape. Box sealing, splicing and recovery.	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 Tape Dispensers H180		Box sealing roll-on dispensers.	N/A	N/A	2" (50.8 mm)

Packaging and Palletizing Tapes		Product Description/Applications	Thickness	Max. Temp.	Roll Size
Scotch® Filament Tape 893		High performance filament and packaging tape that is abrasion and moisture resistant. High performance and long term adhesion for strapping and reinforcing.	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® Filament Tape 897		Commercial grade filament tape with synthetic rubber resin adhesive. General purpose, bundling and reinforcing.	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 H10		Filament tape dispenser. Bundling and reinforcing.	N/A	N/A	1" (25 mm)
Scotch® Film Tape 821		Lightly pink tinted label. Protects label from abrasions and moisture, but allows barcode scanning.	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. Display documents on the exterior of package for easy viewing by recipient.	2.5 mil	N/A	5" x 6" (13 cm x 15 cm)
Scotch® Label Protection Tape 3565		Utility grade label protection tape. To protect and preserve identification labels in shipping.	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. Encasing A and B type pallets for internal shipping.	8884- 5 mil 8886- 7 mil	N/A	1-3/10" x 60 yd (36 mm x 55 m)

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