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The power behind electricity

OHUG Product Catalogue

Edition 01



Section 01

Electrical Industrial & Special Use Tapes

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OTAPE General Purpose Vinyl Electrical Tape

Resistant to abrasion, corrosion, chemicals & UV. Rated for 600V & suitable for NZ conditions 0-80°C. Flame Retardant & Lead Free. For jacketing and insulation.

Agency Approvals:  

Applications



- > Phase identification and marking
- > Harnessing
- > Insulating splices up to 600 V



Product	Order Code	Pack Size	Colour	Width	Length	Thickness	Dielectric Strength	Tensile Strength	Operating Temperature	Test Method
OTAPE	OHT008	10	Green/Yellow	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT009	10	Black	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT010	10	Blue	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT011	10	Green	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT012	10	Red	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT013	10	White	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT014	10	Yellow	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT139	10	Orange	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000
OTAPE	OHT141	10	Grey	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000

OTAPE Rainbow Pack

Resistant to abrasion, corrosion, chemicals & UV. Rated for 600V & suitable for NZ conditions 0-80°C. Flame Retardant & Lead Free. For jacketing and insulation.

Agency Approvals:  

Applications

- > Phase identification and marking
- > Harnessing
- > Insulating splices up to 600 V



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Tensile Strength	Operating Temperature	Test Method
OTAPE	OHT028	Rainbow	18 mm	20 m	0.18 mm	50.49 kV/mm	50.2 N/19mm	0 to 80°C	ASTM D 1000



DENSO Tape

Part No.	Nominal Lift mm	Pack	Qty
Denso50	Tape Denso 50mm 10mtr roll	Each	1
Denso100	Tape Denso 100mm 10mtr roll	Each	1



Scotch® Super 33+™

Scotch® Super 33+™ Vinyl Electrical Tape is a premium grade, 0.18 mm thick, flame retardant, all weather vinyl insulating tape. It is designed to perform continuously between a temperature range of -18 to 105°C. It has excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions (including ultraviolet exposure). The combination of elastic backing and aggressive adhesive provides moisture tight electrical and mechanical protection with minimum bulk. Scotch® Super 33+™ Vinyl Electrical Tape is an Underwriters' Laboratories Listed and Canadian Standards Association Certified "Insulating Tape." Available in custom sizes in addition to standard sizes below.

Agency Approvals:  

Applications



- > Primary insulation for splices up to 600 V and 105°C
- > Protective jacketing in indoor and outdoor environments



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
Super 33+ / 19 mm x 20 m	3M006	Black	19 mm	20 m	0.18 mm	45 kV/mm	2.6 kN/m	-18 to 105°C
Super 33+ / 19 mm x 33 m	3M001	Black	19 mm	33 m	0.18 mm	45 kV/mm	2.6 kN/m	-18 to 105°C
Super 33+ / 25 mm x 33 m	3M007	Black	25 mm	33 m	0.18 mm	45 kV/mm	2.6 kN/m	-18 to 105°C

Scotch® Vinyl Electrical Tape Super 88

Scotch® Vinyl Electrical Tape Super 88 is a premium grade vinyl insulating tape that provides great mechanical and abrasion resistance. The combination of elastic backing and aggressive adhesive provides moisture-tight electrical and mechanical protection with minimum bulk in extreme temperatures. It offers excellent resistance to abrasion, moisture, copper corrosion, alkalis and acids. Offers excellent all-weather performance in cold to -18°C or hot to 105°C. It is excellent in cold weather performance especially because it is resistant to abrasion, moisture, moisture, alkalis, acids, corrosion and varying weather conditions. Super 88 is compatible with solid dielectric cable insulations and rubber and synthetic splicing compounds. As well as inhibits corrosion of electrical conductors, flame retardant, and is professional grade.

Agency Approvals:  

Applications



- > Primary electrical insulation for all wire and cable splices rated up to 600 volts and 105°C (220°F)
- > Protective jacketing for high voltage cable splices and repairs
- > Harnessing of wires and cables



Product	Order Code	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
Super 88	3M140	19 mm	20 m	0.22 mm	45 kV/mm	3.5 kN/m	-18 to 105°C
Super 88	POA	19 mm	33 m	0.22 mm	45 kV/mm	3.5 kN/m	-18 to 105°C
Super 88	POA	25 mm	33 m	0.22 mm	45 kV/mm	3.5 kN/m	-18 to 105°C

Scotch® Vinyl Colour Coding Electrical Tape 35

Scotch® Vinyl Electrical Tape 35 is a 0.18 mm thick PVC colour-coding, flame retardant tape. Outstanding electrical and mechanical properties make this tape excellent for use in phase identification, colour coding of motor leads and piping systems, and for marking safety areas. Scotch® Tape 35 operates over a wide range of temperatures between 0 to 105°C. This tape is available in a range of fade-resistant colours.

Agency Approvals:  

Applications



- > Phase identification and marking
- > Harnessing
- > Insulating splices up to 600 V



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
35 Blue	3M089	Blue	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Green	3M121	Green	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Red	3M088	Red	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 White	3M055	White	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Yellow	3M120	Yellow	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Orange	3M139	Orange	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Brown	POA	Brown	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Violet	POA	Violet	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Grey	3M141	Grey	19 mm	20 m	0.18 mm	49 kV/mm	3 kN/m	0 to 105°C
35 Pink	POA	Pink	19 mm	20 m	0.18 mm	49 kV/mm	3.0 kN/m	0 to 105°C

Scotch® Heavy Duty Vinyl Electrical Tape 22

Scotch® Heavy Duty Vinyl Electrical Tape 22 is one of 3M’s thickest (0.25 mm) premium vinyl electrical tapes. It is designed for insulation applications that require greater mechanical strength and abrasion resistance. Scotch® Tape 22 provides moisture resistant electrical and mechanical protection with fewer wraps than thinner tapes.

Agency Approvals:  

Applications



- > Bus bar insulation
- > Cable jacket repair



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
Tape 22	3M029	Black	19 mm	33 m	0.25 mm	47.2 kV/mm	3.5 kN/m	-10 to 80°C
Tape 22	3M030	Black	25 mm	33 m	0.25 mm	47.2 kV/mm	3.5 kN/m	-10 to 80°C
Tape 22	3M093	Black	38 mm	33 m	0.25 mm	47.2 kV/mm	3.5 kN/m	-10 to 80°C
Tape 22	POA	Black	50 mm	33 m	0.25 mm	47.2 kV/mm	3.5 kN/m	-10 to 80°C

3M™ PVC Electrical Tape 1710N

3M PVC Electrical Tape 1710N is a good quality general purpose PVC insulating tape. It has very good resistance to abrasion, moisture, alkalis, acids, copper corrosion and varying weather conditions. It is flame retardant, has a high wet dielectric strength, is conformable, and provides excellent mechanical protection with minimum bulk. This tape is an Underwriters' Laboratories Listed and Canadian Standards Association Certified "Insulating Tape."

Agency Approvals:  

Applications

- > Low voltage electrical insulating up to 600 V
- > Moisture sealing



Product	Order Code	Pack Size	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
1710N Black	3M009	10	Black	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N Blue	3M010	10	Blue	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N Green	3M011	10	Green	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N Red	3M012	10	Red	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N White	3M013	10	White	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N Yellow	3M014	10	Yellow	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N Yellow/Green	3M008	10	Yellow/ Green Stripe	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C
1710N Rainbow	3M028	1	Rainbow	18 mm	20 m	0.18 mm	39.4 kV/mm	2.6 kN/m	0 to 80°C

3M™ Temflex™ Cotton Friction Tape 1755

3M Temflex Cotton Friction Tape 1755 is a high-grade, black friction tape designed to provide mechanical protection against abrasion and cut through for cable, wire splices and connections insulated with rubber electrical tape. The 0.33 mm thick tape is composed of a high quality cotton fabric, coated on both sides with an electrical grade, solvent free, rubber adhesive. Temflex Tape 1755 has high breaking strength and low stretch, making it ideal as a heavy duty binding and harnessing tape.

Applications

- > Abrasion protection for splices and connections



Product	Order Code	Colour	Width	Length	Thickness	Breaking Strength	Operating Temperature
Tape 1755	3M025	Black	19 mm	18.3 m	0.33 mm	8.4 kN/m	Up to 80°C

Scotch® Rubber Splicing Tape 23

Scotch® Rubber Splicing Tape 23 is a premium, highly conformable, self-fusing Ethylene Propylene Rubber (EPR), high voltage insulating tape. Scotch® Tape 23 has a “snakeskin” liner that is easily removed as the tape is applied. This product can be used for low and high voltage (up to 69 kV) applications.



Applications

- > Primary electrical insulation for splicing all solid dielectric cables up to 69 kV
- > Moisture sealing electrical connections
- > Jacketing on high voltage splices and terminations

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Operating Temperature	Emergency Operating Temperature
Tape 23	3M002	Black	19 mm	9.15 m	0.76 mm	31.5 kV/mm	1000%	1.4 kN/m	Up to 90°C	130°C
Tape 23	POA	Black	19 mm	9.15 m	0.76 mm	31.5 kV/mm	1000%	1.4 kN/m	Up to 90°C	130°C
Tape 23	3M017	Black	25 mm	9.15 m	0.76 mm	31.5 kV/mm	1000%	1.4 kN/m	Up to 90°C	130°C
Tape 23	3M063	Black	38 mm	9.15 m	0.76 mm	31.5 kV/mm	1000%	1.4 kN/m	Up to 90°C	130°C
Tape 23	POA	Black	50 mm	9.15 m	0.76 mm	31.5 kV/mm	1000%	1.4 kN/m	Up to 90°C	130°C

*Bulk pack is 90 rolls per carton, each roll shrink wrapped

Scotch® Linerless Rubber Splicing Tape 130C

Scotch® Linerless Rubber Splicing Tape 130C is a premium, highly conformable, linerless Ethylene Propylene Rubber (EPR), high voltage insulating tape that provides excellent thermal dissipation of splice heat. Scotch® Splicing Tape 130C meets industry specifications and has excellent physical and electrical properties, which helps provide immediate moisture seal and void free buildups. Scotch® Splicing Tape 130C is rated up to 90°C continuous operating temperatures and short term 130°C overload service. This product can be used for low and high voltage (up to 69 kV) applications. This tape should be applied like any rubber tape – that is, the outside of the tape should be facing down as applied (tacky side up). This will help prevent the roll from getting progressively further away from the work area.



Applications

- > Primary electrical insulation for splicing all solid dielectric cables up to 69 kV
- > Moisture sealing electrical connections
- > Jacket repairs

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Operating Temperature	Emergency Operating Temperature
Tape 130C	3M123	Black	19 mm	9.15 m	0.76 mm	29.5 kV/mm	850%	1.3 kN/m	Up to 90°C	130°C
Tape 130C	3M021	Black	25 mm	9.15 m	0.76 mm	29.5 kV/mm	850%	1.3 kN/m	Up to 90°C	130°C
Tape 130C	3M022	Black	38 mm	9.15 m	0.76 mm	29.5 kV/mm	850%	1.3 kN/m	Up to 90°C	130°C

3M™ Temflex™ Rubber Splicing Tape 2155

3M™ Temflex™ Rubber Splicing Tape 2155 is a conformable self-fusing rubber electrical insulating tape. Temflex Tape 2155 is compatible with solid dielectric cable insulations. Flexible over a wide temperature range, it is Underwriters Laboratories (UL) Listed for use up to 600 volts.



Applications

- > Low voltage electrical insulating up to 600 V
- > Moisture sealing

Agency Approvals:



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Operating Temperature
Tape 2155	POA	Black	19 mm	6.7 m	0.76 mm	23.6 kV/mm	700%	1.57 kN/m	Up to 80°C

Scotch® Electrical Semi-Conducting Tape 13

Scotch® Electrical Semi-Conducting Tape 13 is a highly conformable, lined, semi-conducting Ethylene Propylene Rubber (EPR) based, high voltage splicing tape. Scotch® Tape 13 elongates easily to conform to irregular shapes and retains its conductivity when stretched.



Applications

- > Provides cable shield continuation

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength
Tape 13	3M040	Black	19 mm	4.5 m	0.76 mm	23.6 kV/mm	800%	1.0 kN/m

Scotch® Self-Fusing Silicone Rubber Electrical Tape 70

Scotch® Self-Fusing Silicone Rubber Electrical Tape 70 is a high temperature, arc and track resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner. It has excellent UV and ozone resistance and is workable at extremely low temperatures. Scotch Tape 70 can be used as base tape layer to enable clean re-entry of connections. Meets the requirements of Mil A-A-59163 Class I, Type I.



Applications

- > Protects and overlaps high voltage cable terminations and serves as base layer to provide clean re-entry into connections
- > Protective overwrap for terminating high voltage cables

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Operating Temperature
Tape 70	3M020	Grey	25 mm	9.15 m	0.3 mm	34 kV/mm	450%	2.1 kN/m	Up to 180°C

Scotch® Fire-Retardant and Electric Arc Proofing Tape 77

Scotch® Fire-Retardant Electric Arc Proofing Tape 77 is a premium non-adhesive tape designed to protect most types of electrical cables when exposed to failures in an adjacent cable. Its specially formulated material expands in fire to form a thick char buildup between the flame and the cable. The resulting firewall acts as a heat shield and flame barrier, thus protecting the wrapped cables and accessories.



Applications

- > Protects cable until limiting devices can interrupt faulted current
- > Use on high-energy cables that are within 500 mm of other high energy cables

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength
Tape 77	3M155	Black	38 mm	6 m	0.76 mm	19.7 kV/mm	6.3 kN/m
Tape 77	POA	White	38 mm	6 m	0.76 mm	19.7 kV/mm	6.3 kN/m

Scotch® Varnished Cambric Tape 2510

Scotch® Varnished Cambric Tape 2510 is made from straight-cut woven cotton cambric fabric. The fabric is oil primed and coated with a high grade yellow electrical insulating varnish. Varnished cambric tapes are flexible, electrically insulating and moisture resistant with a smooth finish. Scotch Tape 2510 is yellow, non-adhesive coated and 0.18 mm thick, providing an excellent dielectric strength with high puncture and cut-through resistance. Its electrical properties are stable up to 105°C.



Applications

- > Insulation of bus bars, motor leads (for re-entry), service drop connectors

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
Tape 2510	POA	Yellow	25 mm	33 m	0.18 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C
Tape 2510	POA	Yellow	50 mm	33 m	018 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C

Scotch® Varnished Cambric Tape 2520

Scotch® Varnished Cambric Tapes are made from straight-cut woven cotton cambric fabric. The fabric is oil primed and coated with a high-grade yellow electrical insulating varnish. Varnished cambric tapes are flexible, electrically insulating and moisture resistant with a smooth finish. They are designed to perform continuously in temperatures up to 105°C (220°F) with excellent resistance to abrasion, puncture and cut-through.



Applications

- > Insulating joints requiring rapid and clean re-entry
- > Use in areas where mechanical protection and puncture resistance is critical

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Breaking Strength	Operating Temperature
Tape 19	POA	Yellow	19 mm	18 m	0.20 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C
Tape 19	POA	Yellow	19 mm	33 m	0.20 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C
Tape 25	POA	Yellow	25 mm	33 m	0.20 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C
Tape 38	POA	Yellow	38 mm	33 m	0.20 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C
Tape 51	POA	Yellow	51 mm	33 m	0.20 mm	31.4 kV/mm	8.8 kN/m	Up to 105°C

Scotch® Electrical Shielding Tape 24

Scotch® Electrical Shielding Tape 24 is an all-metal, flat, tinned copper open-weave shielding mesh that is compatible with power cable insulations and all high voltage splicing and terminating materials. Scotch® Electrical Shielding Tape 24 elongates easily to conform and is temperature stable.



Note: Scotch® Electrical Shielding Tape 24 should not be used as a ground strap or jumper wire. Its ampacity is not great enough to carry large fault currents. For ground strap applications please refer to Scotch® Electrical Grounding Braid 25.

Applications

- > Continuous electrostatic shielding across splices

Product	Order Code	Width	Length	Thickness	Breaking Strength
Tape 24	3M018	25 mm	4.5 m	0.4 mm	3.8 kN/m

Scotch® Electrical Grounding Braid 25

Scotch® Electrical Grounding Braid 25 is a flat, all-metal woven electrical grounding braid that is compatible with power cable insulations and high voltage splicing and terminating materials. The Scotch® Electrical Grounding Braid 25 is conformable and temperature stable, and has a current carrying capacity approximately that of 12 mm² wire.





Applications

- > Conformable ground braid for splices and terminations

Product	Order Code	Width	Length	Thickness
Tape 25	POA	12.7 mm	4.5 m	2.38 mm

Scotch® Glass Cloth Electrical Tape 27

Scotch® Glass Cloth Electrical Tape 27 is a 0.18 mm thick woven insulating glass cloth tape with pressure sensitive rubber thermosetting adhesive. This tape is designed to operate in 600 volt dry applications requiring high mechanical strength and resistance to high temperatures. The glass cloth is specially treated and prepared to provide corrosion protection.

Agency Approvals:  



Applications

- > Heat stable insulation for furnace and oven controls, motor leads and switches
- > Provides corrosion free protection

Product	Order Code	Colour	Width	Length	Thickness	Breaking Strength	Operating Temperature
Tape 27	3M059	White	12.7 mm	20 m	0.18 mm	25.2 kN/m	Up to 150°C
Tape 27	3M019	White	19 mm	20 m	0.18 mm	25.2 kN/m	Up to 150°C
Tape 27	POA	White	25 mm	55 m	0.18 mm	25.2 kN/m	Up to 150°C

Scotch® Glass Cloth Electrical Tape 69

Scotch® Glass Cloth Electrical Tape 69 is a white glass cloth tape with a high temperature thermosetting silicone adhesive. The thermosetting adhesive provides an increased bond once applied in areas of high ambient temperatures. Scotch® Tape 69 is UL recognised for continuous use up to 200°C. It conforms to Military Specification No. MIL-I-19166C.

Applications

- > Heat stable insulation for furnace and oven controls, motor leads and switches
- > Replaces Scotch® Glass Cloth Electrical Tape 27 in locations where a higher temperature tape is needed



Product	Order Code	Colour	Width	Length	Thickness	Breaking Strength	Operating Temperature
Tape 69	POA	White	12.7 mm	33m	0.18 mm	31.4 kN/m	Up to 200°C
Tape 69	3M138	White	19 mm	33 m	0.18 mm	31.4 kN/m	Up to 200°C
Tape 69	POA	White	25 mm	33 m	0.18 mm	31.4 kN/m	Up to 200°C

Scotch® Rubber Mastic Tape 2228

Scotch® Rubber Mastic Tape 2228 is a conformable self-fusing rubber electrical insulating and sealing tape. Scotch Rubber Mastic 2228 consists of ethylene propylene rubber (EPR) backing coated with a strong, temperature-stable mastic adhesive. The tape is 1.65 mm thick for quick application build-up. It is designed for electrical insulating and moisture sealing applications.

Applications

- > Primary electrical insulation for joints up to 1000 V
- > Insulate, pad and seal bus bar connections rated up to 35 kV
- > Environmental and moisture seal



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Max Operating Temperature
Tape 2228	3M023	Black	25 mm	3 m	1.65 mm	19.7 kV/mm	1000%	1.7 kN/m	90°C
Tape 2228	3M004	Black	50 mm	3 m	1.65 mm	19.7 kV/mm	1000%	1.7 kN/m	90°C

3M™ Scotch-Seal™ Mastic Tape Compound 2229

Scotch-Seal Mastic Tape Compound 2229 is designed for quick and easy insulating, padding, shaping and sealing of electrical connections. It is a conformable, durable, tacky mastic with an easy release liner for easy application over irregular surfaces and provides excellent moisture resistance. It features excellent self-healing characteristics after being punctured or cut.

Applications

- > Sealing high voltage cables and accessories
- > Environmental and moisture seal



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Max Operating Temperature
Tape 2229	3M003	Black	25 mm	3 m	3.2 mm	14.9 kV/mm	90°C
Tape 2229	3M037	Black	95 mm	3 m	3.2 mm	14.9 kV/mm	90°C

3M™ Scotchfil™ Electrical Insulation Putty

Use as a build-up compound on highly irregular surfaces such as fittings and valves, providing a smooth, waterproof taping surface. Scotchfil Electrical Insulation Putty is soft and pliable – simply press putty into place on irregular surfaces, mould with finger pressure and overtape using standard methods.

Applications

- > Insulation of connections up to 600 V
- > Smoothing of bus bar irregularities
- > Shaping and padding for split bolt connections



Product	Order Code	Colour	Width	Length	Thickness	Elongation	Dielectric Strength	Max Operating Temperature
Scotchfil Putty	3M005	Black	38 mm	1.5 m	3.2 mm	1000%	22.6 kV/mm	0 to 80°C

Scotch® Vinyl Mastic Tape VM

Two tapes in one - vinyl and mastic, designed to provide low voltage insulation, seal out moisture and protect against corrosion. Scotch® Vinyl Mastic (VM) Tape seals out moisture and protects against corrosion in one step, without the need for heating tools or using other tapes.

Applications

- > Cable sheath repair
- > Drop wire insulating
- > Splice case and load case protection
- > Auxiliary sleeve and cable reel end sealing
- > Conduit repair and protection of CATV components



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Operating Temperature
VM	POA	Black	38 mm	6 m	0.6 mm	11.8 kN/m	-40 to 80°C
VM	3M024	Black	102 mm	3 m	1.1 mm	11.8 kN/m	-40 to 80°C
VM	POA	Black	152 mm	3 m	1.1 mm	11.8 kN/m	-40 to 80°C

Scotch® Heavy Duty Mining Tape 31

Scotch® Heavy Duty Mining Tape 31 has a tough, abrasion resistant backing for jacket repair on mining cables. Mining cables are exposed to extremely abrasive environments which often results in the damage of their original jackets. MSHA-approved Scotch Tape 31 offers an innovative solution for cable repair. With its abrasion-resistant properties and flame retardant mastic, Scotch Tape 31 applies easily and remains flexible while maintaining a strong moisture seal. The tape is printed with the MSHA logo/approval number.

Applications

- > Jacket repair of mining cables
- > Splicing of mine conduit



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Operating Temperature
Tape 31	3M135	Black	50 mm	2.6 m	1.5 mm	15.7 kV/mm	500%	27.3 kN/m	-30 to 105°C

Scotch® Cable Jacket Repair Tape 2234

Scotch® Cable Jacket Repair Tape 2234 has a tough abrasion-resistant backing for jacket repair on industrial cables, such as flexible portable power cables, draglines, diesel locomotive cable, welding and shipboard cables. Due to abrasive dragging and reeling of these flexible cables, the original jacketing gets damaged often and needs to be repaired. Scotch Tape 2234 is flexible and the self-healing property of the mastic helps keep out moisture.

Applications

- > Jacket repair on electrical cables in extremely harsh environments

Agency Approvals: 



Product	Order Code	Colour	Width	Length	Thickness	Dielectric Strength	Elongation	Breaking Strength	Operating Temperature
Tape 2234	3M036	Black	50 mm	1.8 m	1.5 mm	15.7 kV/mm	500%	27.3 kN/m	-30 to 105°C

3M™ Performance Plus Duct Tape 8979

3M Performance Plus Duct Tape 8979 has a unique tape construction that allows for both permanent and temporary applications whether indoors or outdoors. It is removable with little or no adhesive residue from most opaque surfaces up to six months after application. The tape is conformable, abrasion resistant, and water resistant. The polyethylene film and cloth scrim with rubber adhesive construction provides straight, easy tear with high tensile strength for some of the most demanding applications.



Agency Approvals: 

Applications


- > Cap pipe ends and conduit stored outside
- > Hanging, sealing poly drapes

Product	Order Code	Colour	Width	Length	Thickness	Elongation	Breaking Strength	Operating Temperature	Adhesion to Steel
Tape 8979	3M097	Slate Blue	48 mm	23 m	0.31 mm	19%	6.3 kN/m	Up to 93°C	53 N/100
Tape 8979	3M098	Slate Blue	48 mm	55 m	0.31 mm	19%	6.3 kN/m	Up to 93°C	53 N/100
Tape 8979	POA	Olive	48 mm	55 m	0.31 mm	19%	6.3 kN/m	Up to 93°C	53 N/100
Tape 8979	POA	Black	48 mm	55 m	0.31 mm	19%	6.3 kN/m	Up to 93°C	53 N/100
Tape 8979	POA	Black	72 mm	55 m	0.31 mm	19%	6.3 kN/m	Up to 93°C	53 N/100

3M™ Heavy Duty Duct Tape 3939

3M Duct Tape 3939 is composed of waterproof polyethylene film over cloth scrim backing with a rubber adhesive used for demanding duct tape applications. Meets UL 723.



Agency Approvals: 

Applications

- > Sealing heating ventilation and air conditioning ducts

Product	Order Code	Colour	Width	Length	Thickness	Elongation	Breaking Strength	Operating Temperature	Adhesion to Steel
Tape 3939	3M035	Sliver	48 mm	55 m	0.22 mm	17%	4.72 kN/m	Up to 93°C	63 N/100

Scotch® Polyethylene Coated Cloth Tape 389

Polyethylene cloth tape that has excellent holding power and conformability. Moisture resistant, versatile and adheres to most surfaces.

Temperature Resistance: up to 70°C

Applications

- > Bundling, moisture proofing, sealing, splicing, and reinforcing.



Product	Order Code	Colour	Width	Length	Thickness	Elongation	Operating Temperature
Tape 389	3M128	Sliver	36 mm	30 m	0.22 mm	6%	Up to 93°C
Tape 389	3M058	Sliver	48 mm	30 m	0.22 mm	6%	Up to 93°C

Scotch® 1352B & Tartan™ 2352 Duct Tapes

Scotch® 1352B and Tartan™ 2352 Tapes are stabilised and plasticised PVC film coated tapes suitable for most light industrial sealing and joining applications.

Applications

- > Joining polythene sheeting
- > Sealing air ducts
- > Temporary holding



Product	Order Code	Colour	Width	Length	Thickness
Tape 1352B	3M026	Black	50 mm	30 m	0.15 mm
Tape 2352	3M137	Silver	50 mm	30 m	0.15 mm

3M™ Tartan Utility Duct Tape

Waterproof, polyethylene coated cloth backing with rubber resin for sealing. Available in black or silver.

Applications

- > Packaging
- > Sealing
- > Bundling and temporary repairs



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature	Adhesion to Steel
955K Tartan	3M182	Black	48 mm	50 m	0.15 mm	Up to 50°C	76.6 N/100 mm
955K Tartan	3M184	Silver	48 mm	50 m	0.15 mm	Up to 50°C	76.6 N/100 mm

3M™ Scotch Duct Tape

A general purpose duct tape for everyday use.

Applications

- > Bundling, patching and temporary repairs.



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature	Adhesion to Steel
944B Scotch	3M181	Black	48 mm	9.14 m	0.15 mm	Up to 50°C	76.6 N/100 mm
944S Scotch	3M183	Silver	48 mm	9.14 m	0.15 mm	Up to 50°C	76.6 N/100 mm

3M™ Extreme Sealing Tape 4412N - 25.4mm x 16.6m

3M™ Extreme Sealing Tape is a family of single coated, pressure sensitive adhesive tapes designed for difficult sealing applications. The backing on this tape is an ionomer film that is very tough yet flexible and abrasion resistant. The very soft and thick acrylic adhesive has excellent sealing properties and good outdoor durability. This single coated tape is designed to seal over an existing joint, seam, or penetration. The adhesive is designed to adhere well to the ionomer film so that overlapping tape joints can be made while maintaining a strong seal.



Applications

- > Truck and trailer roof sealing
- > Window and door sealing
- > Joints and seams
- > Gutters

Product	Order Code	Colour	Width	Length	Thickness	Elongation	Breaking Strength	Operating Temperature	Adhesion to Steel
Tape 4412N	3M156	Clear	25.4 mm	16.6 m	2 mm	19%	6.3 kN/m	Up to 93°C	32 N/CM

3M™ Extreme Sealing Tape 4411N - 38mm x 5m

3M™ Extreme Sealing Tape is a family of single coated, pressure sensitive adhesive tapes designed for difficult sealing applications. The backing on this tape is an ionomer film that is very tough yet flexible and abrasion resistant. The very soft and thick acrylic adhesive has excellent sealing properties and good outdoor durability. This single coated tape is designed to seal over an existing joint, seam, or penetration. The adhesive is designed to adhere well to the ionomer film so that overlapping tape joints can be made while maintaining a strong seal.



Applications

- > Truck and trailer roof sealing
- > Window and door sealing
- > Joints and seams
- > Gutters

Product	Order Code	Colour	Width	Length	Thickness	Elongation	Breaking Strength	Operating Temperature	Adhesion to Steel
Tape 4411N	3M092	Clear	38 mm	5 m	1 mm	19%	6.3 kN/m	Up to 93°C	26 N/CM

Scotch® Performance Masking Tape 233+

Our Scotch® Performance Green Masking Tape 233+ delivers consistently superior performance on mouldings, plastic, glass, metal, rubber and paint. Balanced four-part construction includes flexible backing that applies easily around vehicle curves and contours and our patented adhesive that sticks at a touch, stays put and removes without transfer for consistently outstanding paint lines. Sticks easily/allows fast application.

- > Premium paper backing resists breaking, lifting, and edge curl for ease of use and less material waste
- > Developed to provide high conformability with clean removal and sharp paint lines
- > Superior resistance to UV, moisture, and solvents compared to other paper tapes



Product	Order Code	Colour	Width	Length	Thickness	Elongation at break	Operating Temperature
Tape 233+	3M043	Green	24 mm	50 m	0.17 mm	10%	Up to 121°C

3M™ Value Masking Tape 101+

3M™ Value Masking Tape 101+ is a cost-effective crepe paper tape that holds, bundles, seals, and performs other non-critical taping jobs where a pressure sensitive tape is needed. This tape offers controlled unwind to prevent shredding or splintering and tears easily from the roll by hand.

- > Cost effective solution for indoor light-duty applications
- > Crepe paper backing provides easy tearing
- > Provides conformability on irregular surfaces and around corners
- > Hand tearable and sliver resistance with one piece removal for easy use
- > Ideal for marking, temporary holding, wrapping, and sealing
- > Low conformability



Product	Order Code	Colour	Width	Length	Thickness	Elongation at break	Operating Temperature
Tape 101+	3M099	White	24 mm	55 m	5.1 mm	9%	Up to 65°C

3M™ Dual Lock™ Reclosable Fastener MP3551/52

3M™ Dual Lock™ Reclosable Fastener MP3551/MP3552 is the convenient alternative to traditional fastening methods, such as screws, nuts or bolts. It is designed to deliver a durable, reclosable fastening solution (which can be opened and closed multiple times) that bonds to a variety of substrates including metals and plastics such as acrylics, polycarbonate and ABS.

Applications

- > Access panels
- > Graphic attachment
- > Specialty vehicles (interior attachments)
- > General industrial attachment
- > Small components



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature
MP3551/52	3M124	Black	25 mm	4.5 m	5.7 mm	Up to 93°C

3M™ Double Sided Foam Tape 4466W

3M™ Double Sided Foam Tape 4466W is a polyethylene, conformable, double coated, closed-cell foam tape. It provides "quick stick" and conformability for a wide range of surfaces.

Applications

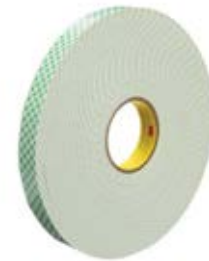
- > Bonding, attaching and mounting. Indoor use only



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature
Tape 4466W	3M157	White	12 mm	10 m	0.16 mm	Up to 49°C long term. Up to 70°C short term.
Tape 4466W	3M158	White	18 mm	10 m	0.16 mm	Up to 49°C long term. Up to 70°C short term.
Tape 4466W	3M159	White	24 mm	10 m	0.16 mm	Up to 49°C long term. Up to 70°C short term.

3M™ Double Coated Urethane Foam Tape 4026

- > Thick, double-coated, open-cell urethane foam tape with a paper liner.
- > Bonds surfaces and provides handling convenience and cushioning.
- > Operating Temperature: Up to 105°C



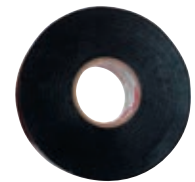
Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature
Tape 4026	3M125	White	12 mm	33 m	0.16 mm	Up to 49°C long term. Up to 70°C short term.
Tape 4026	3M038	White	19 mm	33 m	0.16 mm	Up to 49°C long term. Up to 70°C short term.
Tape 4026	3M126	White	25 mm	33 m	0.16 mm	Up to 49°C long term. Up to 70°C short term.

3M™ Scotchrap™ Corrosion Protection Tape 50

3M Scotchrap Corrosion Protection Tape 50 is a tough PVC tape with high tack adhesive that resists corrosion of metal piping systems above and below ground. It applies over a wide temperature range and is resistant to impact, abrasion and punctures. Coat the pipe or other metal surfaces with 3M Scotchrap Pipe Primer before wrapping with Scotchrap Tape 50.

Applications

- > Protects pipe, conduits and fittings from corrosion



Product	Order Code	Colour	Width	Length	Thickness	Breaking Strength	Installation Temperature	Service temperature Range
Tape 50	POA	Black	25 mm	30 m	0.25 mm	3.5 kN/m	-12 to 65°C	-48 to 80°C
Tape 50	3M016	Black	50 mm	30 m	0.25 mm	3.5 kN/m	-12 to 65°C	-48 to 80°C
Tape 50	POA	Black	100 mm	30 m	0.25 mm	3.5 kN/m	-12 to 65°C	-48 to 80°C
Tape 50	POA	Black	150 mm	30 m	0.25 mm	3.5 kN/m	-12 to 65°C	-48 to 80°C

3M™ Scotchrap™ Pipe Primer

A quick-drying, non-sag rubber based primer that fills metal surface pits and irregularities, preparing the surface for tape application. Compatible with the special adhesive on 3M Scotchrap Tapes, it enhances adhesion. To be used with 3M Scotchrap Corrosion Protection Tape 50.

Applications

- > Used with Scotchrap Corrosion Protection Tape 50 to resist corrosion of above and below ground metal piping systems



Product	Order Code	Size
Pipe Primer	POA	3.8 L

3M™ Antistatic Utility Tape 40PR

General use utility tape, clear polyester film backing, anti-static conductive polymer adhesive. With preprinted static symbol. Helps prevent electrostatic discharge (ESD) damage to sensitive electronic components in manufacturing environments.



Applications

- > For use in static sensitive areas
- > Closing static shielding bags

Product	Order Code	Colour	Width	Length	Thickness	Breaking Strength	Adhesion to Steel	Static Charge Generation at 50% RH	
								Remove from Roll	Remove from Stainless Sheet
Tape 40PR	POA	Clear with printing	6.4 mm	66 m	0.056 mm	17 kN/m	17 N/100	5 V	5 V
Tape 40PR	POA	Clear with printing	19 mm	66 m	0.056 mm	17 kN/m	17 N/100	5 V	5 V

*Also available from 3M converters in other standard and custom sizes.

Scotch® Pipe Thread Sealant Tape 48

A high temperature-stable (PTFE) thread sealant that provides a leak-proof seal.



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature
Tape 48	POA	White	12.7 mm	33 m	0.076 mm	-268 to 260°C

Armorcast Structural Material

Armorcast Structural Material (roll format) is packed dry in a sealed foil envelope and is a flexible fiberglass knit fabric strip that has been saturated with a curable black urethane resin syrup that starts to cure when water is added. Once wet, the fiber strip becomes tacky and sticks to itself, so it wraps easily around almost any shape or size. Armorcast Structural Material is resistant to moisture, fungus, acid, alkali, ozone, sunlight, gasoline and high temperatures. It combines long life and very little maintenance.



Applications

- > Creates maintenance free mechanical protection for power cable splices
- > For strengthening old cable, splices and auxiliary seals

Product	Order Code	Width	Length
Tape 4560	OCAST 1	100 mm	3 m
Tape 4560	OCAST 2	100 mm	3 m

Armorcast Kits

Product	Order Code
Armorcast x 3m / Nitrile Gloves	OCAST1
Armorcast x 3m / Nitrile Gloves / Jacket Repair Tape 2234	OCAST2



3M™ VHB Tape RP45

3M VHB Tape RP45 is a conformable, double-sided, pressure sensitive, closed-cell acrylic foam tape with a paper liner. Excellent permanent bonding to most surfaces used in a wide range of general industrial bonding applications. This permanent assembly tape bonds high and medium surface energy substrates. Provides handling convenience, cushioning, damping and impact resistance. UV and weather resistance for exterior and interior applications.

Applications

- > Bonding a lens to a metal sign frame, washing machine touch panel bonding, commercial vehicle roof vent attachment, commercial vehicle trim attachment, interior rail car construction



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature
RP45	3M177	Grey	12.7 mm	5 m	1.1 mm	Up to 93°C long term. Up to 121°C short term.
RP45	3M178	Grey	19 mm	5 m	1.1 mm	Up to 93°C long term. Up to 121°C short term.

3M™ Automotive Acrylic Plus Attachment Tape

3M™ Automotive Acrylic Plus Attachment Tape 06384 features two adhesives, one on each side of a 1.12 mm closed-cell acrylic foam core. Our liner-side adhesive is formulated for bonding to automotive paint systems, and the non-liner-side bonds to metals and plastics used in automotive components. Both adhesives deliver excellent initial tack and adhesive build for a permanent bond.

Applications

- > Body side moldings
- > Bumper trim
- > Claddings
- > Wheel flares
- > Badges, nameplates and emblems



Product	Order Code	Colour	Width	Length	Thickness	Operating Temperature
Automotive Acrylic Tape	3M052	Black	12 mm	18 m	1.2 mm Acrylic Form Core	N/A

3M™ VHB™ Tape 5952

The 3M™ VHB™ Tape 5952 uses a black modified acrylic adhesive providing a strong doubled sided foam tape. This extraordinary tape adheres to broad ranges of surfaces, including metals, plastics and wood. This 3M quality tape provides shear strength, conformability, surface adhesion and temperature resistance. Once bonded it creates a permanent seal against water, moisture, dust through its great gap filling capabilities. The VHB™ Tape 5952 can provide high strength and long-term durability through the modified acrylic adhesive.

Applications

- > Tapes are commonly used in applications such as transportation, appliances, electronics,
- > Construction, signs and displays.
- > It can replace rivets, welds and screws, with a viscoelasticity and powerful ability to bond to a variety of surfaces.



Product	Order Code	Colour	Width	Length	Thickness	Adhesion Strength	Operating Temperature
5952	3M145	Black	12.7 mm	33 m	1.1 mm	38.5 N/CM	Up to 120°C
5952 (Clamshell)	3M144	Black	19 mm	13.7 m	1.1 mm	38.5 N/CM	Up to 120°C

3M™ VHB™ Tape 5925

The 3M™ VHB™ Tape 5925 can provide high strength and long-term durability through the modified acrylic adhesive. It offers flexibility to a design as it can replace rivets, welds and screws, with a viscoelasticity and powerful ability to bond to a variety of surfaces. The 5925 tape is commonly used in applications such as transportation, appliances, electronics, construction, signs and displays.



Applications

- > Transportation, appliances, electronics, construction, signs and displays.
- > Can replace mechanical fasteners (rivets, welding, screws) or liquid adhesives: Eliminate drilling, grinding, refinishing, screwing, welding and clean-up
- > Fast and easy-to-use permanent bonding method provides high strength and long-term durability
- > Pressure sensitive adhesive bonds on contact to provide immediate handling strength
- > Virtually invisible fastening keeps surfaces smooth
- > High dynamic stress absorption reduces vibration and impact stress

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Breakdown	Adhesion to Steel	Breaking Strength	Operating Temperature
5925	3M045	Black	25.4 mm	66 m	0.25 mm	3500 V	44 N/100 mm	48.1 kN/m	Up to 105°C

3M™ Paper Backed Electrical Filament Tape 1076

3M™ Paper Backed Electrical Filament Tape 1076 is made of an electrical-grade paper backing reinforced with scrim glass filaments and an oil-compatible acrylic pressure-sensitive adhesive. Unlike conventional film backed tapes, this products' paper backing construction allows for complete impregnation and saturation of the tape in adjacent layers of insulation. The unique coating on the back side of 3M™ Tape 1076 promotes exceptional bonding of the diamond paper insulation epoxy during the transformer baking process.



Applications

- > Oil filled transformer applications
- > Has a saturable backing for air entrapment resistance
- > Stiffness of the tape promotes superior handling, which enhances operator efficiency

Product	Order Code	Colour	Width	Length	Thickness	Dielectric Breakdown	Adhesion to Steel	Breaking Strength	Operating Temperature
1076	3M154	Cream	9.5 mm	55 m	0.25 mm	3500 V	44 N/100 mm	48.1 kN/m	Up to 105°C
1076	POA	Cream	19 mm	55 m	0.25 mm	3500 V	44 N/100 mm	48.1 kN/m	Up to 105°C

3M™ Copper Foil Tape 1181

3M™ Copper Foil Shielding Tape 1181 consists of a 1-ounce rolled copper foil backing and an electrical conductive, pressure-sensitive acrylic adhesive. This tape is supplied on a removable liner for easy handling and die-cutting. It has excellent solder ability.



Agency Approvals: 

Applications

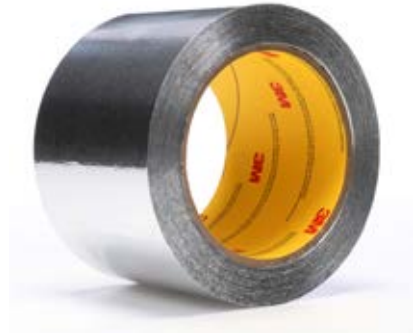
Typically used as an EMI/RFE shielding tape for applications in the electronics industry such as static charge draining, seaming shielded rooms, cable wrapping and surface contact to non-solderable materials.

Product	Order Code	Colour	Width	Length	Thickness	UL Flame Retardant	Breaking Strength	Operating Temperature
1181	3M957	Copper	24 mm	16.5 m	0.66 mm	Yes	4.4 kN/m	Up to 130°C
1181	3M956	Copper	50 mm	16.5 m	0.66 mm	Yes	4.4 kN/m	Up to 130°C

3M™ 425 Aluminium Foil Tape

3M™ aluminium Foil Tape 425, dead-soft aluminium foil backing, excellent heat and light reflection to protect against high temperatures and U.V. degradation. The foil also serves as an excellent barrier against moisture, dust, flame, and certain chemicals as used in aircraft paint stripping masking. Acrylic adhesive supplies superior temperature, U.V. and solvent resistance. It provides excellent age life and is ideal for harsh, long-term outdoor environments.

- > High performance aluminium foil tape, 71-micron thick foil backing
- > Premium aluminium foil for aerospace, appliance, automotive
- > Resists flame, resists moisture, resists weather, resists UV degradation, chemical resistant tape, thermally conductive tape for heating and cooling efficiency, heat reflective tape, light reflective tape, conformable tape



Product	Order Code	Colour	Width	Length	Thickness	UL Flame Retardant	Elongation at Break	Operating Temperature
425	3M094	Silver	25 mm	55 m	0.07 mm	Yes	6%	Up to 149°C
425	3M053	Silver	50 mm	55 m	0.07 mm	Yes	6%	Up to 149°C
425	3M095	Silver	75 mm	55 m	0.07 mm	Yes	6%	Up to 149°C

Scotch® Aluminum Foil Tape 3311

Scotch® Foil Tape 3311 is an aluminium alloy foil with a pressure-sensitive adhesive and paper liner. The aggressive rubber adhesive sticks well to most surfaces and the paper liner makes for convenient and reliable use.

Applications

- > Suited for difficult to adhere to surfaces such as low energy substrates
- > Can be used under all weather conditions.
- > Matches aluminium foil-faced duct systems and insulation
- > Designed for maximum adhesion over clean, dry surfaces.
- > Resists water vapor, odour and smoke transmission
- > Can be used over a wide temperature range
- > Acts as a vapor barrier to ensure the integrity of the insulation system.



Product	Order Code	Colour	Width	Length	Thickness	UL Flame Retardant	Elongation at Break	Operating Temperature
3311	3M054	Silver	50.8 mm	9.14 m	0.09 mm	Yes	3%	Up to 82.2°C
3311	3M096	Silver	50.8 mm	45 m	0.09 mm	Yes	3%	Up to 82.2°C

Scotch™ Magnetic Tape

Great for mounting papers, cards, recipes and more! Turn any wall into a magnetic surface. Repositionable and does not curl after mounting. Permanent adhesive that cuts easily with scissors.

Applications

- > Apply magnetic tape to walls or cabinets for hanging lightweight metal object
- > Easy-to-apply design with no mess or tools
- > Liner removes easily to expose permanent adhesive



Product	Order Code	Colour	Width	Length
Magnetic Tape	3M143	Black	12.7 mm	1.22 m





Slip Resistant Tapes

3M offers a full range of safety tapes suitable for a wide range of applications, including hazard and lane marking, increasing visibility and protection against slips, trips and falls.

3M™ Safety-Walk™ Slip Resistant Tapes

- > Mineral-coated, high friction slip-resistant surface.
- > Highly durable to withstand the rigors of equipment traffic.
- > Low-profile design helps reduce trip hazard.
- > High performance pressure-sensitive adhesive for easy application.







Product Code	Description	Sizing	Application
 3M162	Safety-Walk Slip Resistant Tape General Purpose Black	50mm x 18.2m	Ideal for flat surfaces, steps, stairways, entrances, ramps, ladders, lawn equipment, snowmobiles, scooters, construction etc.
 3M163	Safety-Walk Slip Resistant Tape General Purpose Yellow		
 3M164	Safety-Walk Slip Resistant Tape General Purpose Black/Yellow		
 3M176	Safety-Walk Slip Resistant Tape General Purpose Black 50mm x 3m	Abrasion and puncture resistant per EN388 level 4122	

3M™ Diamond Grade™ Reflective tape

- > Outstanding reflectivity at every viewing angle and at every viewing distance.
- > Innovative full cube corner technology gives outstanding reflectivity performance.






Product Code	Description	Sizing	Application
 3M165	3M™ Diamond Grade™ Reflective Tape, White	50mm x 3m	Ideal for trucks, trailers, workplace machinery, bins, obstacles, entrance ways and any other hazard.
 3M166	3M™ Diamond Grade™ Reflective Tape, Yellow		
 3M167	3M™ Diamond Grade™ Reflective Tape, Red		
 3M168	3M™ Diamond Grade™ Reflective Tape, Fluro Green/Yellow		

3M™ Reflective Tape, Hazard Stripe

- > Made from high quality, durable material with Advanced Engineer Grade Prismatic reflective technology.
- > 24 hour visibility. Reflectivity at night and hazard stripe pattern during the day.





Product Code	Description	Sizing	Application
 3M147	3M™ Reflective Tape, Red/White Hazard stripe	50mm x 3m	Ideal for hazardous areas, obstacles, barriers and posts, gates, ledges, low hanging objects.
 3M169	3M™ Reflective Tape, Yellow/Black Hazard Stripe		
 3M170	3M™ Reflective Tape, Yellow/Red Hazard Stripe		

3M™ Hazard Marking Tape

- > Top side printed vinyl backing for conformability to many surfaces.
- > Rubber adhesive for good instant adhesion.






Product Code	Description	Sizing	Application
 3M171	Hazard Stripe Tape 766 Yellow & Black	50mm x 33m	Ideal for aisle/lane marking, hazard warning, colour coding, paint masking, identification, surface protection, splicing, sealing, decoration, reinforcing.
 3M172	Hazard Stripe Tape 767 Red & White		

3M™ Vinyl Tape 471

- > Pigmented backings maintain their vivid colours even when exposed to heavy abrasion.
- > Rubber adhesive provides good adhesion to many surfaces for easier application and excellent holding strength, with great clean removal when required.
- > Sharp colours for colour coding or marking systems, draw attention and help site safety.



Product Code	Description	Sizing	Application
 3M174	Vinyl Tape 471 Red	50mm x 33m	Ideal for aisle/lane marking, hazard warning, colour coding, paint masking, identification, surface protection, splicing, sealing, decoration, reinforcing.
 3M069	Vinyl Tape 471 White		
 3M173	Vinyl Tape 471 Yellow		

3M™ Insulating and Conductive Tapes

3M Insulating and Conductive Tapes are made from a broad range of backings and adhesives to meet the uniquely demanding requirements of different applications and environments. Extensive quality control and testing, combined with accurate process controls, are just part of the reason that 3M consistently provides high quality products.

These tapes are available in standard and custom sizes. Contact OHUG for more details.



Product	Product Description	Features	Total Thickness	Operating Temperature	UL Flame Retardant	Dielectric Breakdown	Insulation Resistance	Breaking Strength	Adhesion to Steel	Agency Approvals 	
Glass Fibre Reinforced Polyester Film Electrical Tape											
1039	3M™ Glass Fibre Reinforced Polyester Film Electrical Tape 1039	Solvent-resistant filament tape with pressure sensitive acrylic adhesive	0.177 mm	130°C		5500 V	1 x 10 ⁶ MΩ	48.1 kN/m	38 N/100 mm	✓	
Acetate Cloth Electrical Tape											
28	3M™ Acetate Cloth Electrical Tape 28	Thermosetting Rubber adhesive. Printable. White	0.203 mm	105°C		2500 V	2 x 10 ⁴ MΩ	6.2 kN/m	44 N/100 mm		
11	3M™ Acetate Cloth Electrical Tape 11	Thermosetting Rubber adhesive. Printable. Black	0.203 mm	105°C		2000 V	2 x 10 ⁴ MΩ	6.2 kN/m	44 N/100 mm		
Crepe Paper Electrical Tape											
16	3M™ Crepe Paper Electrical Tape 16	Paper tape with aggressive rubber resin adhesive. Coil cover on bobbin-wound coils	0.228 mm	105°C		2500 V	>1 x 10 ⁶ MΩ	4.4 kN/m	55 N/100 mm		
Epoxy Film Electrical Tape											
Super 20	3M™ Epoxy Film Electrical Tape Super 20	Thick double sided epoxy for higher temperature and dielectric. Acrylic adhesive. UL510 flame retardant.	0.127 mm	155°C	Yes	8000 V	>1 x 10 ⁶ MΩ	7.9 kN/m	33 N/100 mm	✓	✓
Super 10	3M™ Epoxy Film Electrical Tape Super 10	Thicker, double-sided epoxy for higher temperature and dielectric. Rubber adhesive. UL510 flame retardant.	0.127 mm	155°C	Yes	8000 V	>1 x 10 ⁶ MΩ	7.9 kN/m	49 N/100 mm	✓	✓
Polyester Film Electrical Tape											
5	3M™ Polyester Film Electrical Tape 5	General purpose polyester tape with acrylic adhesive. 0.025 mm film. Clear	0.063 mm	130°C		5500 V	>1 x 10 ⁶ MΩ	4.4 kN/m	38 N/100 mm	✓	✓
1318-1	3M™ Polyester Film Electrical Tape 1318-1	Acrylic adhesive. 0.025 mm film. Printable. Black or White	0.063 mm	130°C		5500 V	>1 x 10 ⁶ MΩ	4.4 kN/m	33 N/100 mm	✓	
1350F-1	3M™ Polyester Film Electrical Tape 1350F-1	Acrylic adhesive. 0.025 mm film. UL510 flame retardant. Yellow	0.063 mm	130°C	Yes	5500 V	>1 x 10 ⁶ MΩ	4.4 kN/m	33 N/100 mm	✓	✓
56	3M™ Polyester Film Electrical Tape 56	General purpose polyester tape with thermosetting rubber adhesive. 0.025 mm film. Yellow	0.058 mm	130°C		5000	>1 x 10 ⁶ MΩ	4.4 kN/m	55 N/100 mm	✓	✓
58	3M™ Polyester Film Electrical Tape 58	Thicker, higher dielectric. Thermosetting rubber adhesive. 0.05 mm film. Clear	0.083 mm	130°C		7000 V	>1 x 10 ⁶ MΩ	8.8 kN/m	65 N/100 mm	✓	

Product	Product Description	Features	Total Thickness	Operating Temperature	UL Flame Retardant	Dielectric Breakdown	Insulation Resistance	Breaking Strength	Adhesion to Steel	Agency Approvals
Composite Film Tape										
44	3M™ Polyester Film Electrical Tape 44	Low-Halogen, general purpose composite film tape. puncture-resistant with excellent electrical properties. For general purpose insulation, anchoring, and banding in motors and transformers	0.139 mm	130°C		5500 V	>1 x 10 ⁹ MΩ	7 kN/m	71 N/100 mm	✓
44D-A	3M™ Reinforced Polyester Film Electrical Tape 44D-A	A version of 44 Tape with twice the backing thickness for greater dielectric strength	0.304 mm	130°C		6000 V	>1 x 10 ⁹ MΩ	7 kN/m	71 N/100 mm	✓
Polyimide Film Electrical Tape										
92	3M™ Polyimide Film Electrical Tape 92	Silicone adhesive and 0.025 mm film. High temperature, puncture resistant, printable, flame retardant. Stable in coils, harnesses and capacitors that are subjected to high temperatures	0.076 mm	180°C	Yes	7500 V	>1 x 10 ⁹ MΩ	5.3 kN/m	28 N/100 mm	✓
PTFE Film Electrical Tape										
60	3M™ PTFE Film Electrical Tape 60	Translucent, 0.05 mm PTFE film tape with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses. UL510 flame retardant	0.102 mm	180°C	Yes	9500 V	>1 x 10 ⁹ MΩ	3.5 kN/m	32 N/100 mm	✓
61	3M™ PTFE Film Electrical Tape 61	Translucent, thicker (0.127 mm) PTFE film tape with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses where high dielectric and breaking strength are required. UL510 flame retardant	0.178 mm	180°C	Yes	15000 V	>1 x 10 ⁹ MΩ	7.9 kN/m	38 N/100 mm	✓
63	3M™ PTFE Film Electrical Tape 63	Translucent, 0.05 mm PTFE film tape with solvent resistant acrylic adhesive. For use on coils, capacitors and wire harnesses. For use where chemical properties are more important than temperature resistance	0.088 mm	155°C		9500 V	>1 x 10 ⁹ MΩ	3.5 kN/m	38 N/100 mm	✓

Product	Product Description	Features	Total Thickness	Operating Temperature	UL Flame Retardant	Dielectric Breakdown	Insulation Resistance	Breaking Strength	Electrical Resistance	Adhesion to Steel	Agency Approvals
EMI Shielding Tapes											
1170	3M™ Aluminum Foil Tape with Conductive Adhesive 1170	Conductive acrylic adhesive, 0.05 mm aluminum foil	0.081 mm	40°C to 130°C	Yes	-	>85 dB, 1MHz to 2 GHz	3.5 kN/m	0.01 Ω	38 N/100 mm	✓ 
1181 (24x16.5) (50x16.5)	3M™ Copper Foil Tape with Conductive Adhesive 1181	Conductive acrylic adhesive, 0.04 mm copper foil	0.07 mm	130°C	Yes	-	>85 dB, 1MHz to 2 GHz	4.4 kN/m	0.005 Ω	38 N/100 mm	✓
1182	3M™ Copper Foil Tape with Conductive Adhesive on both sides 1182	Conductive acrylic adhesive on both sides, 0.04 mm copper foil	0.088 mm	130°C	Yes	-	70 - 85 dB	4.4 kN/m	0.01 Ω	38 N/100 mm	✓
1245	3M™ Embossed Copper Foil Tape 1245	Conductive acrylic adhesive, embossed 0.04 mm copper foil	0.101 mm	130°C	Yes	-	75 - 85 dB (30 MHz to 1 GHz)	4.4 kN/m	0.001 Ω	38 N/100 mm	✓
CN-3190	3M™ Shielding Non-woven Fabric Tape CN-3190	Anti-corrosion metallized polyester rip-stop fabric, acrylic adhesive.	0.11 mm		N/A	-	65 - 70 dB	7 kN/m	0.005	33 N/100 mm	
CN-3490	3M™ Shielding Non-woven Fabric Tape CN-3490	Anti-corrosion, metallized nonwoven fabric, acrylic adhesive.	0.066 mm		N/A	-	65 dB, 1 GHz	6.1 kN/m	0.005	33 N/100 mm	
CN-4190	3M™ Shielding Fabric Tape CN-4190	Anti-corrosion, metallized polyester rip-stop fabric, acrylic adhesive both sides.	0.11 mm		N/A	-	65 - 70 dB	6.4 kN/m	0.05	40 N/100 mm	
X-7001	3M™ Copper-Coated Polyester Cloth Tape X-7001	Anti-corrosion, metallized polyester fabric, acrylic adhesive both sides.	0.13 mm		N/A	-		6.4 kN/m	0.015	6 N/100 mm	



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