

# 3M™ Electrical Tape, Mastics & Special Use Tapes

Plastic vinyl emerged on the mass market in the early 1940s. The flexible, highly versatile material greatly improved a variety of products, ranging from shower curtains and raincoats to wire and cable insulation.

However, a pressure-sensitive plastic vinyl tape remained elusive. The substance TCP (tricresyl phosphate) used as a plasticizer in vinyl film stymied early efforts to create a tape. The TCP would migrate into the adhesive and degrade it.



After much work, 3M discovered a solution. In 1946, three 3M researchers—Esther Eastwold with R. Snell and R. Oace—invented a plasticizer system that would remain stable and not ruin the adhesive. That same year, 3M released the first known successful pressure-sensitive vinyl electrical tape, then named Scotch No. 33 Tape. Lion Manufacturing Company purchased the first roll and used it for harness wrapping.

Vinyl electrical tape marked a leap forward in electrical tape technology. Previously, electricians generally used tape made of tar-coated cotton and vulcanized rubber adhesive. The tape was prone to rotting, lacked strength and flexibility, and had to be applied over a layer of rubber tape to insulate a conductor. Moreover, the tape's rubber adhesive, vulcanized with sulfur, could cause corrosion.

3M vinyl electrical tape was stretchy, strong and did not contain corrosive sulfur. It was better than the tar-coated cloth tape because it was much easier and faster to apply and required less space.

In 1966, 3M introduced Super 33 tape. More flexible than its predecessor, it could be used at temperatures down to 10°F (-12°C) and up to 176°F (80°C).

Never satisfied, 3M researchers began working on the next generation of electrical tape to further improve performance in extreme temperatures. In 1969, 3M introduced Scotch 33+ tape, featuring the industry's first known 221°F (105°C) rating for plastic vinyl electrical tape.

Next, 3M scientists sought to upgrade the tape's handling characteristics and holding power without jeopardizing its adhesion properties. That work resulted in Scotch® Super 33+™ Professional Grade Vinyl

Electrical Tape, launched in 1985. It stretches easily at temperatures down to 0°F (-18°C) and is rated for continuous operation up to 221°F (105°C). The stretchier backing and more aggressive adhesive system ensure ease of application and provide excellent mechanical protection, sealing capability and electrical insulation integrity.

Over the past 70 years, 3M has developed long standing expertise in tape technology. Since the invention of vinyl electrical tape in 1946, the 3M Electrical Markets Division research group has never stopped experimenting and inventing so that we can provide better solutions to meet our customers' challenges.

### Potential Tape Applications

	Vinyl Tapes	Rubber Tapes	Mastic & Filler Putty Tapes	Varnish Cambric	Arc Proofing Tapes	Silicone Tapes	Glass Cloth Tapes	Mining & Jacket Repair Tapes
Protective jacketing	X				X			X
Electrical insulation	X	X	X		X	X	X	X
Moisture sealing		X	X			X		X
ID and color-coding	X							
Harness and bundling	X							
Mechanical padding		X	X			X		X
Shaping		X	X			X		
Arc proofing					X			
Connection re-entry				X		X		

Section	Page
Vinyl Electrical Tapes .....	12-18
Sealing and Insulating – Mastic Tapes .....	19-23
Insulating and Splicing – Rubber Tapes.....	24-31
Special Use Tapes.....	32-42
Scotch® Barricade Tapes .....	43-46
Packaging and Palletizing Tapes.....	47-56
Corrosion Protection Tapes and Primer.....	57-60
Wireless Weatherproofing Kits.....	61-62

# 3M™ Vinyl Tape Performance Comparison Chart

	Thickness	Temperature Range	Adhesion to Steel (72°F)	Adhesion to Backing (72°F)	Adhesion to Steel (0°F)	Adhesion to Backing (0°F)	Elongation	Breaking Strength	Country of Manufacture	UL Listed	CSA Certified	Color
<b>Professional Grade</b>												
Scotch® Super 33+™  Best Seller	7 mils	0°F to 221°F (-18°C to 105°C)	28 oz./in.	28 oz./in.	60 oz./in.	60 oz./in.	250%	15 lbs./in.	USA	UL 510	C22.2	Black
Scotch® Super 88 	8.5 mils	0°F to 221°F (-18°C to 105°C)	25 oz./in.	25 oz./in.	60 oz./in.	60 oz./in.	250%	20 lbs./in.	USA	UL 510	C22.2	Black
Scotch® 35 	7 mils	32°F to 221°F (0°C to 105°C)	20 oz./in.	20 oz./in.	N/A	N/A	225%	17 lbs./in.	USA	UL 510	C22.2	Blue, Brown, Gray, Green, Orange, Red, Violet, Yellow, White
Scotch® Tape 22 	10 mils	14°F to 176°F (-10°C to 80°C)	20 oz./in.	20 oz./in.	N/A	N/A	200%	20 lbs./in.	USA	UL 510	C22.2	Black
<b>General Use</b>												
3M™ Temflex™ Tape 1700 	7 mils	32°F to 176°F (0°C to 80°C)	24 oz./in.	22 oz./in.	N/A	N/A	200%	17 lbs./in.	Mexico	UL 510	C22.2	Black
3M™ Temflex™ Tape 1700P 	7 mils	32°F to 176°F (0°C to 80°C)	24 oz./in.	22 oz./in.	N/A	N/A	200%	17 lbs./in.	Mexico	UL 510	C22.2	Black Printed: MSHA
3M™ Temflex™ Tape 1776 	7 mils	32°F to 176°F (0°C to 80°C)	24 oz./in.	22 oz./in.	N/A	N/A	200%	17 lbs./in.	USA	UL 510	C22.2	Black
<b>Economy</b>												
3M™ Economy Tape 1400 	7 mils	Up to 176°F (Up to 80°C)	16 oz./in.	16 oz./in.	N/A	N/A	150%	14 lbs./in.	Taiwan	UL 510	N/A	Black
<b>Corrosion Protection For Non Electrical Applications</b>												
3M™ Scotchrap™ Tape 50 	10 mils	32°F to 176°F (0°C to 80°C)	20 oz./in.	20 oz./in.	30 oz./in. <sup>1</sup>	30 oz./in. <sup>1</sup>	200%	20 lbs./in.	USA	N/A	N/A	Black
3M™ Scotchrap™ Tape 51 	20 mils	32°F to 176°F (0°C to 80°C)	20 oz./in.	20 oz./in.	30 oz./in. <sup>1</sup>	30 oz./in. <sup>1</sup>	150%	40 lbs./in.	USA	N/A	N/A	Black

Data results from tests performed at room temperature unless otherwise noted. Values listed are typical properties and should not be used for specification purposes.

<sup>1</sup>Test results at -12°C

Country of manufacture to be used as an informational guide only, is subject to change at any time, and is not a valid legal representation of origin for government contract purposes. To obtain certifications, contact 3M Customer Service at 800 245 3573. If this literature is more than one year old, please contact Customer Service to request the latest revision of this brochure.

May 2012





# 3M™ Rubber Insulating and Splicing Tape Comparison Chart

	Liner/Linerless or Material	Thickness	Operating Temperature	Emergency Overload Temperature	Adhesion to Steel (72°F)	Adhesion to Backing (72°F)	Elongation	Breaking Strength	Country of Manufacture	Color
<b>Professional Grade</b>										
Scotch® Tape 130C 	Linerless, self-fusing Ethylene Propylene Rubber (EPR)	30 mils	Up to 194°F (90°C)	Up to 266°F (130°C)	N/A	N/A	850%	7.5 lbs./in.	USA	Black
Scotch® Tape 23 	EPR with Liner	30 mils	Up to 194°F (90°C)	Up to 266°F (130°C)	N/A	N/A	1,000%	8 lbs./in.	Brazil	Black
<b>General Use</b>										
3M™ Temflex™ Tape 2155 	EPR with Liner	30 mils	Up to 176°F (80°C)	N/A	N/A	N/A	700%	9 lbs./in.	Brazil	Black
<b>Other Splicing and Terminating Tapes</b>										
<b>Electrical Semi-Conducting</b>										
Scotch® Electrical Semi-Conducting 13 	Semi-Conducting Ethylene Propylene Rubber with Liner	30 mils	Up to 194°F (90°C)	Up to 266°F (130°C)	N/A	N/A	800%	6 lbs./in.	Brazil	Black
<b>Electrical Shielding</b>										
Scotch® Electrical Shielding 24 	All-Metal, Open-Weave	16 mils	32°F to 220°F (0°C to 105°C)	N/A	N/A	N/A	70%	22 lbs./in.	Mexico	Silver
<b>Self-Fusing Silicone</b>										
Scotch® Self-Fusing Silicone Rubber Electrical Tape 70 	Inorganic Silicone Rubber	12 mils	Up to 356°F (180°C)	N/A	N/A	N/A	450%	12 lbs./in.	Canada	Sky Blue Gray
Scotch® Self-Fusing Silicone Rubber Electrical Tape 70HDT 	Inorganic Silicone Rubber	Center: 20 mils Edges: 8 mils	Up to 356°F (180°C)	N/A	N/A	N/A	300%	14 lbs./in.	Canada	Sky Blue Gray with Guideline
<b>Varnish Cambric</b>										
Scotch® Varnished Cambric 2510 	Straight Cut Woven Cotton Cambric Fabric with Electrical Insulating Varnish	7 mils	Up to 220°F (105°C)	N/A	N/A	N/A	N/A	50 lbs./in.	Pakistan*/USA	Yellow
Scotch® Varnished Cambric 2520 	Straight Cut Woven Cotton Cambric Fabric with Electrical Insulating Varnish and Coated with Adhesive	8 mils	Up to 220°F (105°C)	N/A	13 oz./in.	8 oz./in.	N/A	50 lbs./in.	Pakistan*	Yellow
<b>Grounding Braid</b>										
Scotch® Electrical Grounding Braid 25 	All-Metal Woven Grounding Braid	93.75 mils	32–266°F (0–130°C)	N/A	N/A	N/A	N/A	N/A	USA	Copper
<b>Arc Protection</b>										
Scotch® Fire-Retardant and Electric Arc Proofing Tape 77/77W 	Intumescent Elastomer	30 mils	N/A	N/A	N/A	N/A	N/A	36 lbs./in.	Brazil	77: Black, 77W: Light Gray

Data results from tests performed at room temperature unless otherwise noted. Values listed are typical properties and should not be used for specification purposes.

NOTE: \* Cloth made in Pakistan - coated and packaged in USA.

Country of manufacture to be used as an informational guide only, is subject to change at any time, and is not a valid legal representation of origin for government contract purposes. To obtain certifications, contact 3M Customer Service at 800 245 3573. If this literature is more than one year old, please contact Customer Service to request the latest revision of this brochure.

May 2012



# 3M™ Sealing and Insulating Mastic Tape Comparison Chart

	Material	Thickness	Operating Temperature	Emergency Overload Temperature	Adhesion to Steel (72°F)	Adhesion to Backing (72°F)	Elongation	Breaking Strength	Country of Manufacture	Color
<b>Mastics</b>										
Scotch® Vinyl Mastic Tapes 2200 	Mastic with PVC Backing	125 mils	0°F to 100°F (-18°C to 38°C)	N/A	200 oz./in.	200 oz./in. (to polyethylene)	200%	20 lbs./in.	USA	Black
Scotch® Vinyl Mastic Tapes 2210 	Mastic with PVC Backing	90 mils	0°F to 100°F (-18°C to 38°C)	N/A	200 oz./in.	200 oz./in. (to polyethylene)	200%	20 lbs./in.	USA	Black
Scotch® Rubber Mastic Tape 2228 	Mastic with Ethylene Propylene Rubber (EPR) Backing	65 mils	Up to 194°F (90°C)	Up to 266°F (130°C)	240 oz./in.	160 oz./in. (to polyethylene)	1,000%	10 lbs./in.	USA	Black
3M™ Scotch-Seal™ Mastic Tape Compound 2229 	Mastic	125 mils	32°F to 100°F (0°C to 38°C)	N/A	N/A	N/A	N/A	N/A	USA	Black
Scotch® Electrical Moisture Sealant 06147/06149 	Mastic with PVC Backing	45 mils	32°F to 100°F (0°C to 38°C)	N/A	65 oz./in.	60 oz./in.	200%	20 lbs./in.	USA	Black
<b>Electrical Insulation</b>										
3M™ Scotchfil™ Black, Electrical Insulation Putty 	Electrical Grade Putty	125 mils	32°F to 176°F (0°C to 80°C)	N/A	N/A	N/A	1,000%	N/A	USA	Black
<b>Repair Tape</b>										
Scotch® Cable Jacket Repair Tape 2234 	Flame Retardant Mastic with CSM Rubber Backing	60 mils	Up to 220°F (105°C)	N/A	160 oz./in.	107 oz./in.	500%	156 lbs./in.	USA	Black

Data results from tests performed at room temperature unless otherwise noted. Values listed are typical properties and should not be used for specification purposes.

Country of manufacture to be used as an informational guide only, is subject to change at any time, and is not a valid legal representation of origin for government contract purposes. To obtain certifications, contact 3M Customer Service at 800 245 3573. If this literature is more than one year old, please contact Customer Service to request the latest revision of this brochure.

May 2012



# Vinyl Electrical Tape

Since inventing the first vinyl electrical tape, 3M has continued to improve tape technology and offers an electrical tape for nearly every application.



Section	Page
Vinyl Electrical Tapes .....	12-18
Scotch® Super 33+™ Vinyl Electrical Tape .....	13
Scotch® Vinyl Electrical Tape 33.....	14
Scotch® Vinyl Color Coding Electrical Tape 35.....	14-15
Scotch® Vinyl Electrical Tape Super 88.....	15
Scotch® Vinyl Insulation Tape 22.....	16
3M™ Temflex™ Vinyl Electrical Tape 1700 .....	17
3M™ Temflex™ Vinyl Electrical Tape 1776 .....	17
3M™ Economy Vinyl Electrical Tape 1400 .....	18

## Vinyl Electrical Tapes

### Scotch® Super 33+™ Vinyl Electrical Tape

Scotch® Super 33+™ Vinyl Electrical Tape is a premium grade, 7 mil thick, all-weather vinyl-insulating tape. It is designed to perform continuously between a temperature range of 0–220°F (-18–105°C). It has an excellent resistance to abrasion, moisture, alkalies, 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."

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	Premium
Tape Type	Vinyl
Operating Temperature	0–220°F (-18–105°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D 3005 type 1

Agency Approvals



Country of Origin



Order No.	UPC	Color	Length	Width	Thickness	Dielectric Strength	Rolls per Carton	Rolls per Case
33+SUPER-3/4X36YD	054007-00053	Black	36 yd	0.75"	7 mil	1150 mV	12	48
33+SUPER-3/4X20FT	054007-06130	Black	20'	0.75"	7 mil	1150 mV	10	100
33+SUPER-3/4X66FT	054007-06132	Black	66'	0.75"	7 mil	1150 mV	1	20
33+SUPER-3/4X52FT	054007-06133	Black	52'	0.75"	7 mil	1150 mV	10	100
33+SUPER-3/4X44FT	054007-10075	Black	44'	0.75"	7 mil	1150 mV	10	100
33+SUPER-DISP	054007-10216	Black	66'	0.75"	7 mil	1150 mV	10	100
33+SUPER-1X36YD	054007-08949	Black	36 yd	1.00"	7 mil	1150 mV	12	48
33+SUPER-1-1/2X36YD	054007-50236	Black	36 yd	1.50"	7 mil	1150 mV	-	50





## Vinyl Electrical Tapes

### Scotch® Vinyl Electrical Tape 33

Scotch® Vinyl Electrical Tape 33 is a quality, general-purpose vinyl insulating tape. It has excellent resistance to: abrasion, moisture, alkalies, acid, copper corrosion and varying weather conditions. It is a polyvinyl chloride (PVC) tape that has a high dielectric strength, is flame-retardant and conformable, and provides excellent mechanical protection with minimum bulk. It is a UL Listed “Insulating Tape”.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	Premium
Tape Type	Vinyl
Operating Temperature	32–176°F (0–80°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D1000

Agency Approvals 


Country of Origin 

Order No.	UPC	Color	Length	Width	Thickness	Dielectric Strength	Rolls per Carton	Rolls per Case
33-3/4x36YD	054007-10133	Black	36 yd	0.75"	7 mil	1000 mV	12	48
33-1-1/2X44FT	054007-10174	Black	44'	1.50"	7 mil	1000 mV	10	100

### Scotch® Vinyl Color Coding Electrical Tape 35

Scotch® Vinyl Electrical Tape 35 is a 7-mil (0.178 mm) thick polyvinyl chloride (PVC) color-coding tape. Outstanding electrical and mechanical properties make this tape excellent for use in phase identification, color coding of motor leads and piping systems, and for marking safety areas. Scotch Tape 35 operates over a wide range of temperatures – between 32–220°F (0–105°C). This tape is available in nine fade-resistant colors.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	Premium
Tape Type	Vinyl
Operating Temperature	32–220°F (0–105°C)
RoHS 2011/65/EU	Yes
Specifications	VDE 0340- TEIL1

Agency Approvals  

Country of Origin 



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
35-BLUE-1/2	054007-10240	Blue	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-BLUE-3/4	054007-10836	Blue	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-BROWN-1/2	054007-10299	Brown	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-BROWN-3/4	054007-10885	Brown	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-GRAY-1/2	054007-10281	Gray	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-GRAY-3/4	054007-00072	Gray	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-GREEN-1/2	054007-10265	Green	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100



## Vinyl Electrical Tapes

## Scotch® Vinyl Color Coding Electrical Tape 35 (continued)

Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
35-GREEN-3/4	054007-10851	Green	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-ORANGE-1/2	054007-10273	Orange	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-ORANGE-3/4	054007-10869	Orange	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-RED-1/2	054007-10224	Red	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-RED-3/4	054007-10810	Red	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-VIOLET-1/2	054007-49923	Violet	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-VIOLET-3/4	054007-11271	Violet	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-WHITE-1/2	054007-10232	White	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-WHITE-3/4	054007-10828	White	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-YELLOW-1/2	054007-10257	Yellow	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-YELLOW-3/4	054007-10844	Yellow	66'	0.75"	7 mil	17 lb/in (3.04 kN/m)	10	100
35-MULTI-COLOR	051131-59073	Multi-pack	20'	0.50"	7 mil	17 lb/in (3.04 kN/m)	4	48

## Scotch® Vinyl Electrical Tape Super 88

Scotch® Vinyl Electrical Tape Super 88 is a premium grade, 8.5-mil thick, all-weather vinyl insulating tape. It is designed to perform continuously between a temperature range of 0–220°F (-18–105°C). It has an excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions. The combination of elastic backing and aggressive adhesive provides moisture-tight electrical and mechanical protection with minimum bulk. Scotch Tape Super 88 is an Underwriters' Laboratories Listed and Canadian Standards Association Certified "Insulating Tape."

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	Premium
Tape Type	Vinyl
Operating Temperature	0–220°F (-18–105°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D 3005 type 2, Mil-I- 24391C, VDE 0340 TEIL 3-1, SS 404 09 75

Agency Approvals



Country of Origin





Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
88-SUPER-3/4X66FT	054007-06143	Black	66'	0.75"	8.5 mil	20 lbs/in	10	100
88-SUPER-3/4X44FT	054007-10307	Black	44'	0.75"	8.5 mil	20 lbs/in	10	100
88-SUPER-3/4X36YD	054007-10323	Black	36 yd	0.75"	8.5 mil	20 lbs/in	12	48
88-SUPER-1X36YD	054007-10331	Black	36 yd	1.00"	8.5 mil	20 lbs/in	12	48
88-SUPER-1-1/2X36YD	054007-10349	Black	36 yd	1.50"	8.5 mil	20 lbs/in	-	12
88-SUPER-2X36YD	054007-10356	Black	36 yd	2.00"	8.5 mil	20 lbs/in	-	12
88-SUPER-1-1/2X44FT	054007-10364	Black	44'	1.50"	8.5 mil	20 lbs/in	10	100

## Vinyl Electrical Tapes

### Scotch® Vinyl Insulation Tape 22

Scotch® Vinyl Insulation Tape 22 is one of 3M's thickest (10-mil) 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.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	Premium
Tape Type	Vinyl
Operating Temperature	15–176°F (-10–80°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D 2301 Type 2, VDE 0340 TEIL 3-1, SS 404 09 75
Agency Approvals	
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
22-1/2X36YD	054007-10026	Black	36 yd	0.50"	10 mil	20 lbs/in	12	48
22-3/4X36YD	054007-10034	Black	36 yd	0.75"	10 mil	20 lbs/in	12	48
22-1X36YD	054007-10042	Black	36 yd	1.00"	10 mil	20 lbs/in	12	48
22-1-1/2X36YD	054007-10059	Black	36 yd	1.50"	10 mil	20 lbs/in	-	12
22-2X36YD	054007-10067	Black	36 yd	2.00"	10 mil	20 lbs/in	-	12

## Vinyl Electrical Tapes

## 3M™ Temflex™ Vinyl Electrical Tape 1700

3M™ Temflex™ Electrical Tape 1700 is a good quality, economical general purpose vinyl insulating tape. It has excellent resistance to abrasion, moisture, alkalies, acid, copper corrosion and varying weather conditions. It is a polyvinyl chloride (PVC) tape that is flame-retardant and conformable. Temflex Tape 1700 provides excellent mechanical protection with minimum bulk. It is a UL Listed and CSA Certified "Insulating Tape."



Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	General Use
Tape Type	Vinyl
Operating Temperature	32–176°F (0–80°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D 2301 type 1, MSHA (1700P only)
Agency Approvals	
Country of Origin	 and Taiwan



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
1700-1X66FT	054007-43962	Black	66'	1.00"	7 mil	17 lbs/in	99
1700-3/4X36YD-1.5CORE	054007-49700	Black	36 yd	0.75"	7 mil	17 lbs/in	100
1700-3/4X60FT	054007-69764	Black	60'	0.75"	7 mil	17 lbs/in	100
1700P-PRINTED-3/4X66FT	054007-08175	Black	67'	0.75"	7 mil	17 lbs/in	100
1700P-PRINTED-1-1/2X44FT	054007-08408	Black	44'	1.50"	7 mil	17 lbs/in	100
1700P-PRINTED-1-1/2X66FT	054007-50750	Black	66'	1.50"	7 mil	17 lbs/in	100

## 3M™ Temflex™ Vinyl Electrical Tape 1776

3M™ Temflex™ Vinyl Electrical Tape 1776 is a good quality, economical general-purpose vinyl insulating tape, manufactured in the U.S.A. It has excellent resistance to abrasion, moisture, alkalies, acid, copper, corrosion and varying weather conditions. It is a polyvinyl chloride (PVC) tape that is flame-retardant and conformable. Temflex Tape 1776 provides excellent mechanical protection with minimum bulk. It is a UL Listed and CSA Certified "Insulating Tape."

Tape Grade	General Use
Tape Type	Vinyl
Maximum Operating Temperature	176°F (80°C)
RoHS 2011/65/EU	Yes
Agency Approvals	
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Carton	Rolls per Case
1776-3/4"x60'	051128-58442	Black	60'	0.75"	7 mil	200%	17 lbs/in	24 oz/in	10	100

## Vinyl Electrical Tapes

### 3M™ Economy Vinyl Electrical Tape 1400

3M™ Economy Vinyl Electrical Tape 1400 is a 7-mil thick, general use vinyl-insulating tape, and comes in black and a variety of colors. It is designed to perform continuously in temperatures up to 176°F (80°C). This tape has a polyvinyl chloride (PVC) backing with pressure-sensitive rubber based adhesive. It inhibits corrosion of electrical conductors.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	Economy
Tape Type	Vinyl
Maximum Operating Temperature	176°F (80°C)
RoHS 2011/65/EU	Yes
Agency Approvals	
Country of Origin	Taiwan



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
1400-3/4X60FT	051128-58297	Black	60'	3/4"	7 mil	150%	14 lbs/in	16 oz/in	100



## Sealing and Insulating – Mastic Tape


Need to apply an insulating barrier or moisture-seal to an odd shape? 3M Mastics are made of a self-fusing, rubber-based insulating compound. Mastics are available with a vinyl (PVC) backing, a rubber backing, or no backing at all, and enable you to pad, seal and insulate connections up to 600 volts.



<b>Section</b>	<b>Page</b>
<b>Sealing and Insulating – Mastic Tapes .....</b>	<b>19-23</b>
Scotch® Vinyl Mastic Tapes 2200 and 2210 .....	20
Scotch® Electrical Moisture Sealant 06147 .....	20
Scotch® Rubber Mastic Tape 2228.....	21
3M™ Scotch-Seal™ Mastic Tape Compound 2229 .....	21
3M™ Scotchfil™ Electrical Insulation Putty.....	22
Scotch® Cable Jacket Repair Tape 2234 .....	22
Scotch® Heavy Duty Mining Tape 31 .....	23
Scotch® Mastic Strip 2230.....	23

## Scotch® Vinyl Mastic Tapes 2200 and 2210

Scotch® Pads 2200 and Rolls 2210 are self-fusing, rubber based insulating compounds laminated to a flexible, all-weather grade vinyl (PVC) backing. These tape rolls and pre-cut pads are designed to insulate, moisture-seal and pad connections up to 600 volts, and have excellent resistance to abrasion, moisture, alkalies, acid, copper corrosion and varying weather conditions.


Adhesive Material	Mastic
Backing Material	Polyvinyl Chloride
Tape Grade	Premium
Tape Type	Sealing and Mastic
Operating Temperature Range	0–100°F (-18–38°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Dielectric Strength	Rolls per Carton	Rolls per Case
2200-3-1/4X4-1/2	054007-11008	Black	4.50"	3.25"	125 mil	200%	20 lbs/in	300 v/mil	10 Pads	50 Pads
2200-6-1/2X4-1/2	054007-21296	Black	6.50"	4.50"	125 mil	200%	20 lbs/in	300 v/mil	10 Pads	50 Pads
2210-4X10FT	054007-11222	Black	10'	4.00"	90 mil	200%	20 lbs/in	300 v/mil	-	10 Rolls

## Scotch® Electrical Moisture Sealant 06147

Scotch® Electrical Moisture Sealant 06147 is a self-fusing, rubber-based thin insulating mastic compound laminated to a flexible, all-weather grade PVC backing and are designed for moisture sealing of electrical connections up to 600 volts.

Adhesive Material	Rubber Mastic
Backing Material	Polyvinyl Chloride (PVC)
Tape Grade	Premium
Tape Type	Sealing and Masting
Operating Temperature Range	32–100°F (0–38°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Carton	Rolls per Case
06147	054007-06147	Black	10'	2.50"	45 mil	200%	20 lbs/in	-	10

Sealing and Insulating – Mastic Tapes

## 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.


Adhesive Material	Mastic
Backing Material	Ethylene Propylene Rubber (EPR)
Tape Grade	Premium
Tape Type	Sealing and Mastic
Maximum Operating Temperature	Up to 194°F (90°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Case
2228-1X10FT	054007-50727	Black	10'	1.00"	65 mil	1000%	10 lbs/in	12
2228-2X10FT	054007-09656	Black	10'	2.00"	65 mil	1000%	10 lbs/in	10
2228-2X3FT	054007-43478	Black	3'	2.00"	65 mil	1000%	10 lbs/in	48

## 3M™ Scotch-Seal™ Mastic Tape Compound 2229

3M™ Scotch-Seal™ Mastic Tape Compound 2229 is designed for quick and easy insulating, padding and sealing of electrical connections. It is a conformable, durable, tacky mastic with an easy release liner for easy applications over irregular surfaces and provides excellent moisture resistance. It features excellent self-healing characteristics after being punctured or cut.


Adhesive Material	Mastic
Backing Material	Rubber
Tape Grade	Premium
Tape Type	Sealing and Mastic
Maximum Operating Temperature	194°F (90°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Dielectric Strength	Rolls per Carton	Rolls per Case
2229-1X10FT	054007-50335	Black	10'	1.00"	125 mil	379 v/mil (14.9 kV/mm)	-	12
2229-1.5X30FT	051128-58596	Black	30'	1.50"	125 mil	379 v/mil (14.9 kV/mm)	-	5
2229-3-3/4X10FT	054007-49702	Black	10'	3.75"	125 mil	379 v/mil (14.9 kV/mm)	-	8
2229-P-2-1/2X3-3/4	054007-41303	Black	10'	0.75"	125 mil	379 v/mil (14.9 kV/mm)	-	40
2229-P-3-3/4X3-3/4	054007-50336	Black	10'	3.75"	125 mil	379 v/mil (14.9 kV/mm)	10	40
2229-P-3-3/4X6-1/2	054007-50337	Black	54'	3.75"	125 mil	379 v/mil (14.9 kV/mm)	-	40

## 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. 3M™ Scotchfil™ Electrical Insulation Putty is soft and pliable—simply press putty into place on irregular surfaces, mold with finger pressure and overtape using standard methods.



Adhesive Material	Mastic
Backing Material	Putty
Tape Grade	Premium
Tape Type	Sealing and Mastic
Operating Temperature Range	32–176°F (0–80°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Dielectric Strength	Rolls per Case
SCOTCHFIL	054007-41750	Black	60" (1,53 m)	1.5" (38,1 mm)	125 mil	1000%	575 v/mil (22.6 kV/mm)	12

## 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® Cable Jacket Repair Tape 2234 is flexible and the self-healing property of the mastic helps keep out moisture.

Adhesive Material	Flame Retardant Mastic
Backing Material	CSM Rubber
Tape Grade	Professional
Tape Type	Sealing and Mastic
Operating Temperature Range	-22–220°F (-30–105°C)
RoHS 2011/65/EU	Yes
Agency Approval	
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Carton	Rolls per Case
2234	051128-57493	Black	6'	2.00"	60 mil	500%	156 lbs/in	1 each	10



## Sealing and Insulating – Mastic Tapes

### Scotch® Heavy Duty Mining Tape 31

Scotch® Heavy Duty Mining Tape 31 has a tough, abrasion-resistant backing for jacket repair on mining cables. Due to the extreme mining environment, the original jacket on mining cable gets damaged and needs repair. Scotch® Heavy Duty Mining Tape 31 offers an innovative solution for cable repair. With its CSM Rubber backing, abrasion-resistant properties and flame retardant mastic, the tape applies easily and remains flexible while maintaining a strong moisture seal. MSHA-approved.


Adhesive Material	Flame Retardant Mastic
Backing Material	CSM Rubber
Tape Grade	Premium
Tape Type	Mining Tape
Operating Temperature Range	32–221°F (0–105°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
31-2"X10FT	051128-57150	Black	10'	2.00"	60 mil	156 lbs/in	10
31-2"X6FT	051128-57149	Black	6'	2.00"	60 mil	156 lbs/in	10
31-2"X8.5FT	051128-56812	Black	8.5'	2.00"	60 mil	156 lbs/in	10

### Scotch® Mastic Strip 2230

Scotch® Mastic Strip 2230 are short lengths of thin mastic with a removable liner on each side. It can be used in small sealing applications.

Adhesive Material	Mastic
Backing Material	Mastic
Tape Grade	Premium
Tape Type	Sealing and Mastic
Operating Temperature Range	32–100°F (0–38°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Strips per Case
2230	054007-41813	Gray	6.0"	0.624"	90 mil	40

## Insulating and Splicing – Rubber Tapes


Best used to provide primary electrical insulation, 3M Rubber Tapes are highly conformable. Use on bus bar connections, general splice insulation and moisture sealing for low- to high-voltage electrical connections.



<b>Section</b>	<b>Page</b>
Insulating and Splicing – Rubber Tapes.....	24-31
Scotch® Linerless Rubber Splicing Tape 130C.....	25
Scotch® Rubber Splicing Tape 23.....	26
3M™ Linerless Splicing Compound 2242.....	26
3M™ Temflex™ Rubber Splicing Tape 2155.....	27
Scotch® Self-Fusing Silicone Rubber Electrical Tape 70.....	27
Scotch® Self-Fusing Silicone Rubber Electrical Tape 70HDT.....	28
Scotch® Fire-Retardant and Electric Arc Proofing Tape 77 Series.....	28
Scotch® Electrical Semi-Conducting Tape 13.....	29
Scotch® Varnished Cambric Tape 2510.....	29
Scotch® Varnished Cambric Tape 2520.....	30
Scotch® Electrical Shielding Tape 24.....	30
Scotch® Electrical Grounding Braid 25.....	31

## Scotch® Linerless Rubber Splicing Tape 130C

Scotch® Linerless Rubber Splicing Tape 130C is a 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 help provide immediate moisture seal and void-free buildups. Scotch® Splicing Tape 130C is rated up to 194°F (90°C) continuous operating temperatures and short-term 266°F (130°C) overload service. This product can be used for low and high-voltage (through 69 kV) applications. This tape should be applied like any rubber tape—that is, the side of the tape wrapped inside the roll should be applied outside on the splice (tacky side up). This will help prevent the roll from getting progressively further away from the work area.

Liner/Linerless	Linerless
Material	Self-fusing Ethylene Propylene Rubber (EPR)
Tape Grade	Premium
Tape Type	Insulating and Splicing
Operating Temperature	Up to 194°F (90°C)
Short Term Overload Service	266°F (130°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D-4388 type 1, 2 & 3; HH-I-553C
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Carton	Rolls per Case
130C-3/4X30FT	054007-41717	Black	30'	0.75"	30 mil	850%	7.5 lbs/in	1	24
130C-1X10FT	054007-41751	Black	10'	1.00"	30 mil	850%	7.5 lbs/in	1	24
130C-1X15FT	054007-41752	Black	15'	1.00"	30 mil	850%	7.5 lbs/in	1	24
130C-1X30FT	054007-41753	Black	30'	1.00"	30 mil	850%	7.5 lbs/in	1	24
130C-1-1/2X30FT	054007-41718	Black	30'	1.50"	30 mil	850%	7.5 lbs/in	1	12
130C-2X30FT	054007-41754	Black	30'	2.00"	30 mil	850%	7.5 lbs/in	1	12

## Scotch® Rubber Splicing Tape 23

Scotch® Rubber Splicing Tape 23 is a highly conformable, self-fusing Ethylene Propylene Rubber (EPR), high-insulating voltage 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 (through 69 kV) applications.

Liner/Linerless	Liner
Material	Ethylene Propylene Rubber (EPR)
Tape Grade	Premium
Tape Type	Insulating and Splicing
Operating Temperature	Up to 194°F (90°C)
Short Term Overload Service	266°F (130°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D-4388 type 1, 2 & 3 ; HH-I-3825B
Country of Origin	Brazil



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Carton	Rolls per Case
23-3/4X30FT	054007-15025	Black	20'	0.75"	30 mil	1000%	8 lbs/in	1	20
23-1"X20'(40RLS)	054007-13061	Black	20'	1.00"	30 mil	1000%	8 lbs/in	1	40
23-1X20FT(100RLS)	054007-13061	Black	20'	1.00"	30 mil	1000%	8 lbs/in	1	100
23-1X30FT	054007-00059	Black	30'	1.00"	30 mil	1000%	8 lbs/in	1	32
23-1.5"X30'	054007-11214	Black	30'	1.50"	30 mil	1000%	8 lbs/in	1	20
23-2X30FT	054007-15033	Black	30'	2.00"	30 mil	1000%	8 lbs/in	1	16

## 3M™ Linerless Splicing Compound 2242

3M™ Linerless Splicing Compound 2242 is a multi-purpose rubber insulating tape designed for use in splicing and terminating wires and cables rated up to 194°F (90°C). 3M™ Linerless Splicing Compound 2242 is a highly conformable, linerless Ethylene Propylene Rubber-based tape.

Liner/Linerless	Linerless
Material	Self-fusing Ethylene Propylene Rubber (EPR)
Tape Grade	Premium
Tape Type	Insulating and Splicing
Operating Temperature	0–194°F (-18–90°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D-4388 type 1, 2 & 3; HH-I-553C
Country of Origin	Brazil



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
2242-3/4X15FT	054007-06165	Black	15'	0.75"	30 mil	7.5 lbs/in	1	24
2242-1-1/2X15FT	054007-41323	Black	15'	1.50"	30 mil	7.5 lbs/in	1	12
2242-2X15FT	054007-43251	Black	15'	2.00"	30 mil	7.5 lbs/in	1	8



Insulating and Splicing – Rubber Tapes

### 3M™ Temflex™ Rubber Splicing Tape 2155

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

Liner/Linerless	Liner
Material	Ethylene Propylene Rubber (EPR)
Tape Grade	General Use
Tape Type	Insulating and Splicing
Operating Temperature	Up to 176°F (80°C)
RoHS 2011/65/EU	Yes
Agency Approvals	
Country of Origin	Brazil



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
2155-3/4X22FT	054007-50348	Black	22'	0.75"	30 mil	9 lbs/in	1	10
2155-3/4X22FT-20RLS	051138-97905	Black	22'	0.75"	30 mil	9 lbs/in	1	20
2155-1-1/2X22FT	054007-50349	Black	22'	1.50"	30 mil	9 lbs/in	1	45

### 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. Scotch® Self-Fusing Silicone Rubber Electrical Tape 70 can be used as base tape layer to cleanly reenter connections.

Material	Inorganic Silicone Rubber
Tape Grade	Premium
Tape Type	Insulating and Splicing
Operating Temperature	Up to 356°F (180°C)
RoHS 2011/65/EU	Yes
Specifications	AA-59163 Class-I Type I; ASTM D-1000-76; ASTM D-495-71
Country of Origin	Canada



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Carton	Rolls per Case
70-1x30FT	051128-57261	Sky Blue Gray	30'	1.00"	12 mil	450%	12 lbs/in	1	24

## Scotch® Self-Fusing Silicone Rubber Electrical Tape 70HDT

Scotch® Self-Fusing Silicone Rubber Electrical Tape 70HDT is the heavy duty version of Scotch® Self-Fusing Silicone Rubber Electrical Tape 70, a high-temperature, arc- and track-resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner. Scotch® Rubber Tape 70HDT also has a triangular tapered edge profile (thicker in the middle) and a blue guideline to make half-lapping application easier.


<b>Material</b>	Inorganic Silicone Rubber
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Insulating and Splicing
<b>Operating Temperature</b>	Up to 356°F (180°C)
<b>RoHS 2011/65/EU</b>	Yes
<b>Specifications</b>	AA-59163 Class-I Type I; ASTM D-1000-76; ASTM D-495-71
<b>Country of Origin</b>	Canada



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Carton	Rolls per Case
70HDT-1x30FT	051128-57262	Sky Blue Gray with Guideline	30'	1.00"	Center: 20 mil Edges: 8 mil	300%	14 lbs/in	1	24

## Scotch® Fire-Retardant and Electric Arc Proofing Tape 77 Series

Scotch® Fire and Electric Arc Proofing Tape 77/77W is designed to protect most types of electrical cables when exposed to potential failures in an adjacent cable. Its specially formulated adhesive 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 nearby cables and accessories.

<b>Adhesive Material</b>	Non-adhesive
<b>Backing Material</b>	Intumescent Elastomer
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Insulating and Splicing
<b>RoHS 2011/65/EU</b>	Yes
<b>Specifications</b>	ASTM D-2863; ASTM C-518; Consolidated Edison Co. Test EO-5343-14
<b>Country of Origin</b>	



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
77 White-1-1/2x20ft	051128-60334	White-Gray	20'	1.50"	30 mil	36 lbs/in	1	10
77 White-3x20ft	051128-60335	White-Gray	20'	3.00"	30 mil	36 lbs/in	1	10
77 Black-1.5"x20'	051128-60332	Black	20'	1.50"	30 mil	36 lbs/in	1	10
77 Black-3"x20'	051128-60333	Black	20'	3.00"	30 mil	36 lbs/in	1	10

## Scotch® Electrical Semi-Conducting Tape 13

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

Liner/Linerless	Liner
Material	Semi-Conducting Ethylene Propylene Rubber
Tape Grade	Premium
Tape Type	Insulating and Splicing
Operating Temperature	Up to 194°F (90°C)
Emergency Overload Temperature	266°F (130°C)
RoHS 2011/65/EU	Yes
Country of Origin	Brazil



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Rolls per Case
13	051128-53115	Black	10'	0.75"	30 mil	800%	6 lbs/in	250
13-3/4X15FT	054007-15017	Black	15'	0.75"	30 mil	800%	6 lbs/in	50
13-1-1/2X15FT	054007-15017	Black	15'	1.5"	30 mil	800%	6 lbs/in	45

## 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 tape is yellow, non-adhesive coated and 7 mils thick, providing an excellent dielectric strength with high puncture and cut-through resistance. Its electrical properties are stable up to 105°C.

Material	Straight cut woven cotton cambric fabric with electrical insulating varnish
Tape Grade	Premium
Tape Type	Insulating and Splicing
Operating Temperature	Up to 220°F (105°C)
RoHS 2011/65/EU	Yes
Specifications	ASTM D-374; ASTM D-1000; ASTM D-295
Country of Origin	Pakistan



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
2510-3/4X60FT	054007-41720	Yellow	60'	0.75"	7 mil	50 lbs/in	1	20
2510-3/4X36YD	054007-10661	Yellow	36 yd	0.75"	7 mil	50 lbs/in	1	48
2510-1X36YD	054007-10687	Yellow	36 yd	1.00"	7 mil	50 lbs/in	1	36
2510-1-1/2X36YD	054007-10703	Yellow	36 yd	1.50"	7 mil	50 lbs/in	1	24
2510-2X36YD	054007-10711	Yellow	36 yd	2.00"	7 mil	50 lbs/in	1	16
2510-36X25YD	054007-15751	Yellow	25 yd	3.00"	7 mil	50 lbs/in	1	1

## Scotch® Varnished Cambric Tape 2520

Scotch® Varnished Cambric Tape 2520 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 2520 tape is yellow with a pressure-sensitive adhesive and 8 mils thick, and contains an adhesive that holds the tape in position after application. It is designed to perform continuously in temperatures up to 105°C (220°F) with excellent resistance to abrasion, puncture and cut-through.

<b>Material</b>	Straight cut woven cotton cambric with electrical insulating varnish
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Insulating and Splicing
<b>Operating Temperature</b>	Up to 220°F (105°C)
<b>RoHS 2011/65/EU</b>	Yes
<b>Specifications</b>	ASTM D-374; ASTM D-1000; ASTM D-295
<b>Country of Origin</b>	Pakistan



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
2520-3/4X60FT	054007-04836	Yellow	60'	0.75"	8 mil	50 lbs/in	1	20
2520-3/4X36YD	054007-04835	Yellow	36 yd	0.75"	8 mil	50 lbs/in	1	48
2520-1X36YD	054007-04833	Yellow	36 yd	1.00"	8 mil	50 lbs/in	1	36
2520-1-1/2X36YD	054007-04832	Yellow	36 yd	1.50"	8 mil	50 lbs/in	1	24
2520-2X36YD	054007-04834	Yellow	36 yd	2.00"	8 mil	50 lbs/in	1	16

## Scotch® Electrical Shielding Tape 24

Scotch® Electrical Shielding Tape 24 is an all-metal, flat, 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. It's ampacity is not great enough to carry large fault currents. For ground strap applications please refer to Scotch® Electrical Grounding Braid 25.

<b>Material</b>	Tinned Copper Open Weave Mesh
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Shielding
<b>RoHS 2011/65/EU</b>	Yes
<b>Country of Origin</b>	Mexico




Order No.	UPC	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
24-1X100FT	054007-15058	100'	1.00"	16 mil	22 lbs/in	10	10
24-1X15FT	054007-15041	15'	1.00"	16 mil	22 lbs/in	10	50
24-2X10FT	051128-57289	10'	2.00"	16 mil	22 lbs/in	20	20



## 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 #6 AWG wire.

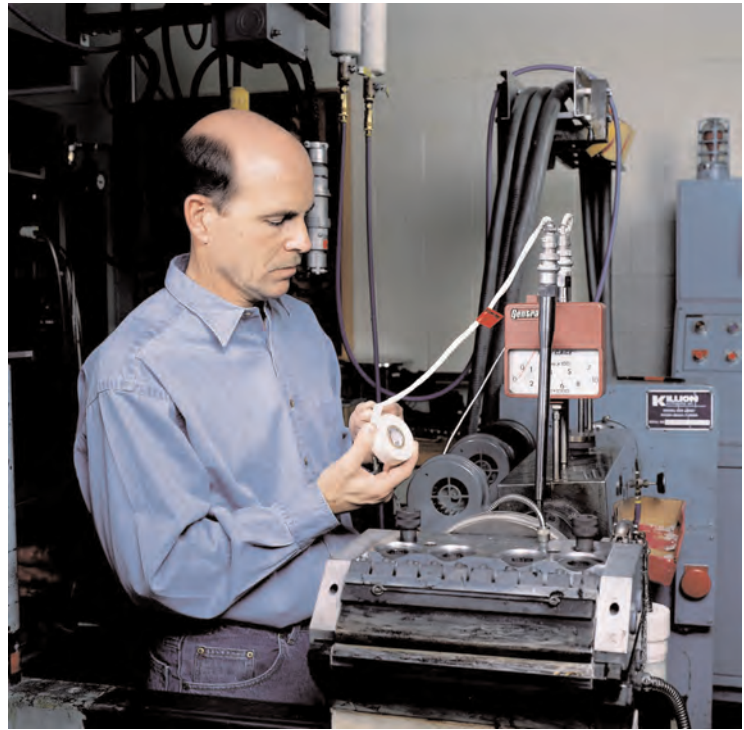
<b>Material</b>	Tinned Copper Woven Braid
<b>Backing Material</b>	Copper Wire
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Grounding
<b>RoHS 2011/65/EU</b>	Yes
<b>Country of Origin</b>	



Order No.	UPC	Length	Width	Thickness	Rolls per Carton	Rolls per Case
25	054007-11602	15'	0.50"	80 mil	1	1

# Special Use Tapes

From electrically insulating glass cloth tapes to gaffers tape, and even duct tape, 3M Special Use Tapes provide a wide range of tapes for special applications.



Section	Page
Special Use Tapes .....	32-42
3M™ Temflex™ Cotton Friction Tape 1755 .....	33
Scotch® Electricians Bundling Tape 2000.....	33
Scotch® Glass Cloth Electrical Tapes 27 .....	34
Scotch® Glass Cloth Electrical Tape 69.....	34
Scotch® Thread Sealant and Lubricant 48.....	35
Scotch® High Performing Masking Tape 232 .....	35
Scotch® General Purpose Masking Tape 234 .....	36
3M™ Performance Plus Duct Tape 8979 .....	37
3M™ Performance Plus Duct Tape Nuclear Grade 8979N .....	38
3M™ Duct Tape 6969 .....	39
3M™ Duct Tape 3939 .....	39
Scotch® Transparent Duct Tape 2120.....	40
3M™ Cloth Gaffers Tape 6910.....	40
3M™ Value Duct Tape 1900 .....	41
3M™ Utility Duct Tape 2929 .....	41
3M™ Paper Tape 200.....	42

Special Use Tapes

### 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 13-mil thick tape is composed of a high-quality cotton fabric, coated on both sides with an electrical-grade, solvent-free, rubber adhesive. 1755 Tape has high break strength and low stretch, making it ideal as a heavy-duty binding and harnessing tape.

Adhesive Material	Thermosettable Rubber Resin
Backing Material	Cotton Cloth
Tape Grade	General Use
Tape Type	Special Use
Maximum Operating Temperature	176°F (80°C)
RoHS 2011/65/EU	Yes
Country of Origin	India



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
1755-3/4X82-1/2FT	054007-50216	Black	82.5'	0.75"	13 mil	48 lbs/in	60
1755-3/4X60FT-20RLS	051128-57173	Black	60'	0.75"	13 mil	48 lbs/in	20
1755-1X60FT	051128-57211	Black	60'	1"	13 mil	48 lbs/in	60
1755-1-1/2X82-1/2FT	054007-50217	Black	82.5'	1.50"	13 mil	48 lbs/in	30
1755-2X60FT	051128-57267	Black	60'	2"	13 mil	48 lbs/in	30

### Scotch® Electricians Bundling Tape 2000

Scotch® Electrician's Duct Tape 2000 is a water resistant duct tape with a polyvinyl chloride (PVC) backing and a rubber adhesive. Scotch® Tape 2000 is designed to be an electrician's utility tape for holding and bundling applications. The tape is easy tear and removes with minimal residue. It is not made with cloth, so the tape does not absorb water. Scotch® Electrician's Duct Tape 2000 is not recommended for sealing air ducts.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride (PVC)
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	220°F (105°C)
RoHS 2011/65/EU	Yes





Order No.	UPC	Color	Length	Width	Thickness	Rolls per Case
2000-DUCT-TAPE-DISPLAY	054007-43403	Gray	50 yd	2.0"	6 mil	12

## Special Use Tapes

### Scotch® Glass Cloth Electrical Tapes 27

3M™ Glass Cloth Electrical Tape 27 is a 7-mil 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.


Adhesive Material	Thermosettable Rubber Resin
Backing Material	Glass Cloth
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	302°F (150°C)
RoHS 2011/65/EU	Yes
Agency Approvals	
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
27-1/2"X66'	054007-15066	White	66'	0.50"	7 mil	150 lbs/in (252 N/10 mm)	1	50
27-3/4"X66'	054007-15074	White	66'	0.75"	7 mil	150 lbs/in (252 N/10 mm)	1	50
27-3/4"X60YD	054007-27477	White	60 yd	0.75"	7 mil	150 lbs/in (252 N/10 mm)	1	12
27-1"X60YD	054007-10570	White	60 yd	1.00"	7 mil	150 lbs/in (252 N/10 mm)	1	9
27-1.5"X60YD	054007-27478	White	60 yd	1.50"	7 mil	150 lbs/in (252 N/10 mm)	1	24

### 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 recognized for continuous use up to 200°C. It conforms to Military Specification No. MIL-I-19166C.

Adhesive Material	Thermosettable Rubber Resin
Backing Material	Glass Cloth
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	392°F (200°C)
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Carton	Rolls per Case
69-1/2"X66'	054007-10083	White	66'	0.50"	7 mil	180 lbs/in (314 N/10 mm)	1	50
69-1/2"X36YD	054007-27548	White	36 yd	0.50"	7 mil	180 lbs/in (314 N/10 mm)	1	18
69-3/4"X66'	054007-09910	White	66'	0.75"	7 mil	180 lbs/in (314 N/10 mm)	1	50
69-3/4"X36YD	054007-27493	White	36 yd	0.75"	7 mil	180 lbs/in (314 N/10 mm)	1	12
69-1"X36YD	054007-27494	White	36 yd	1.00"	7 mil	180 lbs/in (314 N/10 mm)	1	24



## Special Use Tapes

### Scotch® Thread Sealant and Lubricant 48

Scotch® Thread Sealant Tape 48 is a high temperature stable (PTFE) pipe thread sealant that provides a leakproof seal.

Adhesive Material	None
Backing Material	PTFE Fluorocarbon Resin
Tape Grade	Premium
Tape Type	Special Use
Operating Temperature Range	-450–500°F (-268–260°C)
RoHS 2011/65/EU	Yes



Country of Origin

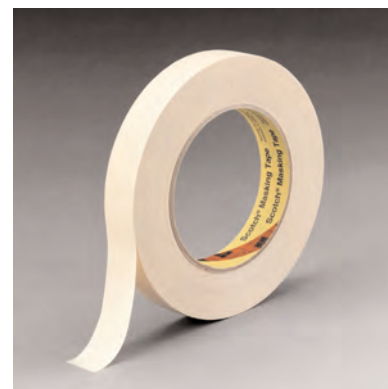


Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
48-1/2"X1296"	054007-27571	White	32.9 m	0.50"	3 mil	5.9 lbs/in	12
48-1/2"X260"	054007-06195	White	6.6 m	0.50"	3 mil	5.9 lbs/in	12
48-1/2"X520"	054007-06196	White	13.2 m	0.50"	3 mil	5.9 lbs/in	12
48-1/4"X260"	054007-06192	White	6.6 m	0.25"	3 mil	5.9 lbs/in	12

### Scotch® High Performing Masking Tape 232

Scotch® Performance Masking Tape 232 is a tough and extremely smooth, natural-colored, 6.3 mil (0.14 mm) thick, high performance, crepe paper tape. It is excellent for paint masking as well as many industrial applications. Scotch® Masking Tape 232 will generally function during bake cycles of up to 250°F (121°C) for periods up to one hour. It should not be exposed to outdoor elements. It can be qualified to meet Fed. Spec. PPP-T-42C, Type I and CID A-A-883B.

Adhesive Material	Rubber
Backing Material	Crepe Paper
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	250°F (121°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
232-18MM-55M	021200-02853	Tan	55 m	18 mm	6.3 mil	8%	27 lbs/in (472 N/100 mm)	41 oz/in (44 N/100 mm)	48
232-24MM-55M	021200-02854	Tan	55 m	24 mm	6.3 mil	8%	27 lbs/in (472 N/100 mm)	41 oz/in (44 N/100 mm)	36
232-48MM-55M	021200-04240	Tan	55 m	48 mm	6.3 mil	8%	27 lbs/in (472 N/100 mm)	41 oz/in (44 N/100 mm)	24

## Special Use Tapes

### Scotch® General Purpose Masking Tape 234

Scotch® General Purpose Masking Tape 234 is a natural-colored, 6.0 mil (0.14 mm) thick, paper tape. It is excellent for general industrial applications. It will generally function during bake cycles of up to 250°F (121°C) for periods up to one hour. It should not be exposed to outdoor elements. It can be qualified to meet Fed. Spec. PPP-T-42C, Type I and CID A-A-883B.

<b>Adhesive Material</b>	Rubber
<b>Backing Material</b>	Crepe Paper
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Special Use
<b>Maximum Operating Temperature</b>	250°F (121°C)
<b>RoHS 2011/65/EU</b>	Yes




Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
234-18MMX55M	021200-02981	Tan	55 m	18 mm	6 mil	8%	27 lbs/in (472 N/100 mm)	34 oz/in (37 N/100 mm)	48
234-24MMX55M	021200-02982	Tan	55 m	24 mm	6 mil	8%	27 lbs/in (472 N/100 mm)	34 oz/in (37 N/100 mm)	36
234-48MMX55M	021200-04244	Tan	55 m	48 mm	6 mil	8%	27 lbs/in (472 N/100 mm)	34 oz/in (37 N/100 mm)	24

## Special Use Tapes

### 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 6 months after application. The tape is conformable, abrasion resistant, and water resistant. The polyethylene film and cloth scrim construction provides straight, easy tear with high tensile strength for some of the most demanding applications.

Adhesive Material	Natural and Synthetic Rubber
Backing Material	Polyethylene Film Over Cloth Scrim
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes
Agency Approvals	




Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
8979-BLACK-48MM	048011-53918	Black	54.8 m	48 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	24
8979-OLIVE-48MM	048011-53916	Olive	54.8 m	48 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	24
8979-SLATEBLUE-24MM	048011-53922	Slate Blue	54.8 m	24 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	48
8979-SLATEBLUE-48MMX22.8M	048011-53851	Slate Blue	22.8 m	48 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	12
8979-SLATEBLUE-48MM	021200-56468	Slate Blue	54.8 m	48 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	24
8979-SLATEBLUE-72MM	021200-56469	Slate Blue	54.8 m	72 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	12
8979-SLATEBLUE-96MM	021200-56470	Slate Blue	54.8 m	96 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	12
8979-SLATEBLUE-144MM	048011-58183	Slate Blue	54.8 m	144 mm	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	6
8979-SLATEBLUE-12"X60YD	048011-53920	Slate Blue	60 yd	12 in	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	2
8979-SLATEBLUE-29"X60YD	051111-92328	Slate Blue	60 yd	29 in	12.6 mil	21%	36 lbs/in (643 N/100 mm)	52 oz/in (57 N/100 mm)	1

## Special Use Tapes

### 3M™ Performance Plus Duct Tape Nuclear Grade 8979N

3M™ Performance Plus Duct Tape 8979N has a unique product construction for indoor and outdoor applications. This tape is removable with little or no adhesive residue from most opaque surfaces up to six months after application. 3M Performance Plus Duct Tape 8979N is also resistant to delamination and deterioration when exposed to UV outdoors for up to one year.

Adhesive Material	Rubber
Backing Material	Polyethylene Film Over Cloth Scrim
Tape Type	Special Use
Maximum Temperature Use	200°F (93°C)
RoHS 2011/65/EU	Yes
Agency Approvals	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
8979N-RED-24MMX54.8M	048011-58130	Red	54.8 m	24 mm	12.1 mil	19%	36 lbs/in (643 N/100 mm)	48 oz/in (53 N/100 mm)	48
8979N-RED-48MMX54.8M	048011-53914	Red	54.8 m	48 mm	12.1 mil	19%	36 lbs/in (643 N/100 mm)	48 oz/in (53 N/100 mm)	24
8979N-RED-72MMX54.8M	048011-53915	Red	54.8 m	72 mm	12.1 mil	19%	36 lbs/in (643 N/100 mm)	48 oz/in (53 N/100 mm)	12
8979N-SLATEBLUE-48MM	021200-74327	Slate Blue	54.8 m	48 mm	12.1 mil	19%	36 lbs/in (643 N/100 mm)	48 oz/in (53 N/100 mm)	24
8979N-SLATEBLUE-72MM	021200-74328	Slate Blue	54.8 m	72 mm	12.1 mil	19%	36 lbs/in (643 N/100 mm)	48 oz/in (53 N/100 mm)	12
8979N-SLATEBLUE-144MM	048011-58185	Slate Blue	54.8 m	144 mm	12.1 mil	19%	36 lbs/in (643 N/100 mm)	48 oz/in (53 N/100 mm)	6



## Special Use Tapes

## 3M™ Duct Tape 6969

3M™ Duct Tape 6969 is an industrial strength duct tape composed of an abrasion resistant, polyethylene film over a dense cloth scrim water proof backing with an aggressive rubber adhesive used for demanding duct tape applications.


Adhesive Material	Rubber
Backing Material	Polyethylene Film Over Cloth Scrim
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
6969-2X60	051131-06969	Silver	54.8 m	48 mm	10.7 mil	16%	32 lbs/in (560 N/100 mm)	61 oz/in (66 N/100 mm)	24
6969-3X60	021200-85635	Silver	54.8 m	72 mm	10.7 mil	16%	32 lbs/in (560 N/100 mm)	61 oz/in (66 N/100 mm)	12

## 3M™ 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.

Adhesive Material	Rubber
Backing Material	Polyethylene Film Over Cloth Scrim
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes
Agency Approvals	



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
3939-24MMX55M	021200-85561	Silver	54.8 m	24 mm	9 mil	17%	25 lbs/in (438 N/100 mm)	55 oz/in (60 N/100 mm)	36
3939-48MMX55M	051131-06975	Silver	54.8 m	48 mm	9 mil	17%	25 lbs/in (438 N/100 mm)	55 oz/in (60 N/100 mm)	24
3939-72MMX55M	021200-85562	Silver	54.8 m	72 mm	9 mil	17%	25 lbs/in (438 N/100 mm)	55 oz/in (60 N/100 mm)	12
3939-96MMX54.8M	021200-85563	Silver	54.8 m	96 mm	9 mil	17%	25 lbs/in (438 N/100 mm)	55 oz/in (60 N/100 mm)	12

## Special Use Tapes

### Scotch® Transparent Duct Tape 2120

Scotch® Transparent Duct Tape 2120-A offers clear advantages to ordinary duct tape. It is transparent when applied to make repairs less obvious, tears easily by hand, and is resistant to water and UV rays. Scotch Transparent Duct Tape is extremely versatile and can be used on plastic, wood, glass, metal, vinyl and rubber.

Adhesive Material	Acrylic Resin
Backing Material	Water resistant, transparent polyethylene coated, multi filament scrim
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	173°F (78°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Rolls per Case
2120-A	051131-83260	Clear	20 yd	1.88"	9 mil	12

### 3M™ Cloth Gaffers Tape 6910

3M™ Cloth Gaffers Tape 6910 is coated with a rubber adhesive for use in the entertainment industry as “gaffers” tape where light reflection is a concern.

Adhesive Material	Rubber
Backing Material	Vinyl Coated Cloth
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
6910-BLACK	051131-06848	Black	55 m	50 mm	12 mil	5%	45 lbs/in (788 N/100 mm)	45 oz/in (49 N/100 mm)	24
6910-SILVER	021200-22782	Silver	55 m	50 mm	12 mil	5%	45 lbs/in (788 N/100 mm)	45 oz/in (49 N/100 mm)	24

## Special Use Tapes

## 3M™ Value Duct Tape 1900

3M™ Value Duct Tape 1900 is a conformable cloth duct tape made with polyethylene film over cloth scrim and synthetic rubber adhesive. It is a good choice for non-critical applications.

Adhesive Material	Synthetic Rubber
Backing Material	Polyethylene Film Over Cloth Scrim
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
1900-48MM	051115-23421	Silver	45.7 m	48 mm	5.8 mil	12%	16 lbs/in (280.2 N/100 mm)	58 oz/in (63.5 N/100 mm)	24
1900-72MM	051115-23422	Silver	45.7 m	72 mm	5.8 mil	12%	16 lbs/in (280.2 N/100 mm)	58 oz/in (63.5 N/100 mm)	12

## 3M™ Utility Duct Tape 2929

3M™ Utility Duct Tape 2929 is a utility grade, conformable cloth duct tape made with polyethylene film over cloth scrim and rubber adhesive. It is a good choice for temporary repairs, sealing, holding and marking.

Adhesive Material	Rubber
Backing Material	Polyethylene Film Over Cloth Scrim
Tape Grade	General Use
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Tape Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
2929-SILVER-48MM	051115-24883	Silver	45.7 m	48 mm	6 mil	14%	19 lbs/in (333.4 N/100 mm)	45 oz/in (49.2 N/100 mm)	24
2929-SILVER-72MM	051115-24885	Silver	45.7 m	72 mm	6 mil	14%	19 lbs/in (333.4 N/100 mm)	45 oz/in (49.2 N/100 mm)	12

## Special Use Tapes

### 3M™ Paper Tape 200

3M™ Paper Tape 200 is a utility purpose paper tape for holding, bundling, sealing, non-critical masking and a vast number of other jobs where a pressure-sensitive tape is needed.

Adhesive Material	Rubber
Backing Material	Crepe Paper
Tape Grade	Premium
Tape Type	Special Use
Maximum Operating Temperature	200°F (93°C)
RoHS 2011/65/EU	Yes

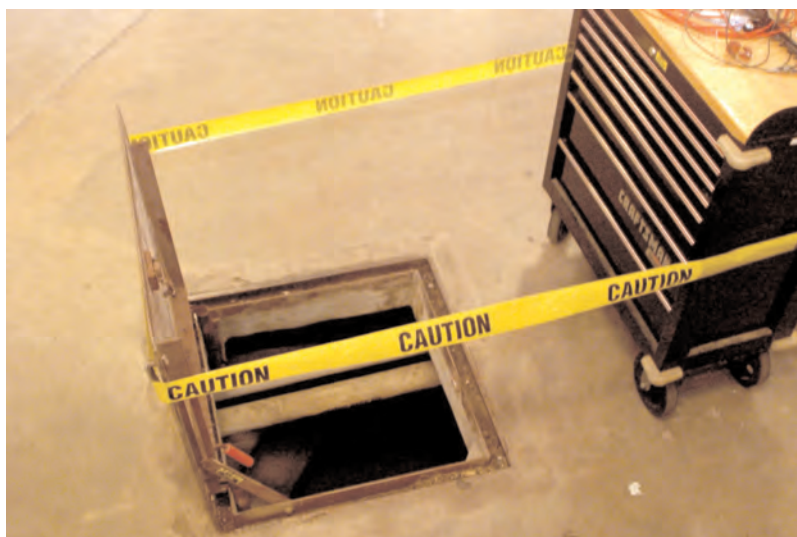


Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
200-12MM	048011-53469	Tan	55 m	12 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	72
200-18MM	048011-53464	Tan	55 m	18 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	48
200-24MM	048011-53465	Tan	55 m	24 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	36
200-36MM	048011-53470	Tan	55 m	36 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	24
200-48MM	048011-53466	Tan	55 m	48 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	24
200-72MM	048011-53467	Tan	55 m	72 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	12
200-96MM	048011-53468	Tan	55 m	96 mm	4.4 mil	8%	19 lbs/in (333 N/100 mm)	25 oz/in (27 N/100 mm)	8



## Scotch® Barricade Tapes

Scotch® Barricade Tapes are a fast, effective way to help deter entry to hazardous areas. Whether you need buried or non-buried, detectable or non-detectable, 3M has a barricade tape to meet your marking needs.



<b>Section</b>	<b>Page</b>
Scotch® Barricade Tapes .....	43-46
Scotch® Barricade Tape 300 Series .....	44
Scotch® Buried Barricade Tape 300 Series.....	45
Scotch® Detectable Buried Barricade Tapes 400 Series .....	45
Scotch® Repulpable Barricade Tapes 500 Series.....	46

## Scotch® Barricade Tape 300 Series

Scotch® Barricade Tapes 300 Series are effective and economical. One roll has sufficient length to mark a large area. Constructed of durable polyethylene plastic that prevents accidental tearing, the tapes have bold 2" black characters on bright background and are sure to attract attention and provide a clearly visible warning message. Different sizes and messages available.

Adhesive Material None  
 Backing Material Polyethylene Film  
 RoHS 2011/65/EU Yes



Order No.	UPC	Text	Color	Length	Width	Thickness	Rolls per Case
300	051128-53042	CAUTION	Yellow	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
301	051128-53460	CAUTION	Yellow	300' (91,44 m)	3" (76,2 mm)	2 mil	16
330	051128-58371	CAUTION	Yellow	1000' (304,8 m)	3" (76,2 mm)	3 mil	8
331	051128-58372	DANGER	Red	1000' (304,8 m)	3" (76,2 mm)	3 mil	8
332	051128-58373	CAUTION HIGH VOLTAGE AREA	Yellow	1000' (304,8 m)	3" (76,2 mm)	3 mil	8
333	051128-58374	CAUTION DO NOT ENTER	Yellow	1000' (304,8 m)	3" (76,2 mm)	3 mil	8
334	051128-58375	CAUTION DO NOT ENTER	Red	1000' (304,8 m)	3" (76,2 mm)	3 mil	8
356	051128-57767	DANGER	Red	300' (91,44 m)	3" (76,2 mm)	2 mil	16
357	051128-57764	DANGER	Red	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
358	051128-57761	CAUTION HIGH VOLTAGE	Yellow	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
360	051128-57763	CAUTION OPEN TRENCH	Yellow	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
361	051128-57765	CAUTION DO NOT ENTER	Yellow	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
362	051128-57766	DANGER DO NOT ENTER	Red	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
374	051128-57961	CAUTION DO NOT ENTER	Yellow	300' (91,44 m)	3" (76,2 mm)	2 mil	16
381	051128-59234	DANGER / PELIGRO	Red	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
382	051128-59235	CAUTION / CUIDADO	Yellow	1000' (304,8 m)	3" (76,2 mm)	2 mil	8
383	051128-59236	CAUTION / CUIDADO	Yellow	300' (91,44 m)	3" (76,2 mm)	2 mil	16
384	051128-59237	CAUTION DO NOT ENTER / CUIDADO NO ENTRE	Yellow	300' (91,44 m)	3" (76,2 mm)	2 mil	16

## Scotch® Barricade Tapes

### Scotch® Buried Barricade Tape 300 Series

Scotch® Barricade Tapes 300 Series are effective and economical. One roll has sufficient length to mark a large area. Constructed of durable polyethylene plastic that prevents accidental tearing, the tapes have bold 2" black characters on bright background and are sure to attract attention and provide a clearly visible warning message. Different sizes and messages available.



Adhesive Material	None
Backing Material	Polyethylene Film
RoHS 2011/65/EU	Yes

Order No.	UPC	Text	Color	Length	Width	Thickness	Rolls per Case
302	051128-53461	CAUTION BURIED ELECTRIC LINE BELOW	Red	1000' (304,8 m)	3" (76,2 mm)	4 mil	8
303	051128-53462	CAUTION BURIED ELECTRIC LINE BELOW	Red	300' (91,44 m)	3" (76,2 mm)	4 mil	16
363	051128-57768	CAUTION HIGH VOLTAGE CABLE BURIED BELOW	Red	1000' (304,8 m)	3" (76,2 mm)	4 mil	8
364	051128-57769	CAUTION BURIED ELECTRIC LINE BELOW	Yellow	1000' (304,8 m)	3" (76,2 mm)	4 mil	8
365	051128-57770	CAUTION BURIED FIBER OPTIC LINE BELOW	Orange	1000' (304,8 m)	3" (76,2 mm)	4 mil	8
366	051128-57771	CAUTION BURIED CABLE TV LINE BELOW	Orange	1000' (304,8 m)	3" (76,2 mm)	4 mil	8
367	051128-57772	CAUTION BURIED TELEPHONE LINE BELOW	Orange	1000' (304,8 m)	3" (76,2 mm)	4 mil	8
368	051128-57773	CAUTION BURIED ELECTRIC LINE BELOW	Red	1000' (304,8 m)	6" (15,24 cm)	4 mil	4
369	051128-57774	CAUTION HIGH VOLTAGE CABLE BURIED BELOW	Red	1000' (304,8 m)	6" (15,24 cm)	4 mil	4
370	051128-57775	CAUTION BURIED ELECTRIC LINE BELOW	Yellow	1000' (304,8 m)	6" (15,24 cm)	4 mil	4
371	051128-57776	CAUTION BURIED FIBER OPTIC LINE BELOW	Orange	1000' (304,8 m)	6" (15,24 cm)	4 mil	4

### Scotch® Detectable Buried Barricade Tapes 400 Series

Scotch® Detectable Buried Barricade Tapes 400 Series are designed for accurately locating and helping prevent damage to valuable underground utility installations. The tapes have an aluminum backing, which helps make underground assets easier to find when using a non-ferrous locator. Properly installed, these tapes may help avoid catastrophically inaccurate digging when locating utilities such as electrical lines and communication cables.



Adhesive Material	None
Backing Material	Aluminum Foil
RoHS 2011/65/EU	Yes

Order No.	UPC	Text	Color	Length	Width	Thickness	Rolls per Case
406	051128-57779	CAUTION BURIED ELECTRIC LINE BELOW	Red	1000' (304,8 m)	3" (76,2 mm)	5 mil	8
407	051128-57780	CAUTION BURIED FIBER OPTIC LINE BELOW	Orange	1000' (304,8 m)	3" (76,2 mm)	5 mil	8
408	051128-57781	CAUTION BURIED ELECTRIC LINE BELOW	Red	1000' (304,8 m)	6" (15,24 cm)	5 mil	4
409	051128-57782	CAUTION BURIED FIBER OPTIC LINE BELOW	Orange	1000' (304,8 m)	6" (15,24 cm)	5 mil	4
410	051128-57880	CAUTION BURIED TELEPHONE LINE BELOW	Orange	1000' (304,8 m)	3" (76,2 mm)	5 mil	8
411	051128-57881	CAUTION BURIED TELEPHONE LINE BELOW	Orange	1000' (304,8 m)	6" (15,24 cm)	5 mil	4
412	051128-57962	CAUTION BURIED HIGH VOLTAGE CABLE BELOW	Red	1000' (304,8 m)	3" (76,2 mm)	5 mil	8
413	051128-57964	CAUTION BURIED HIGH VOLTAGE CABLE BELOW	Red	1000' (304,8 m)	6" (15,24 cm)	5 mil	4

## Scotch® Repulpable Barricade Tapes 500 Series

Made of tightly woven cotton fibers, these reusable tapes are an excellent alternative to standard barricade tapes for areas where plastics are prohibited. Also appropriate for clean rooms and recycling areas, these non-conductive tapes measure 3" wide x 150' long and are supplied on rolls.

Adhesive Material None  
 Backing Material Cotton Fabric  
 RoHS 2011/65/EU Yes



Order No.	UPC	Text	Color	Length	Width	Thickness	Rolls per Case
515	051128-57788	DANGER	Red	150' (45,72 m)	3" (76,2 mm)	10 mil	8
516	051128-57787	CAUTION	Yellow	150' (45,72 m)	3" (76,2 mm)	10 mil	8

# Packaging and Palletizing Tapes

For high strength and excellent performance, 3M™ Packaging and Palletizing Tapes are a preferred choice for sealing boxes, bundling, and protecting labels.



Section	Page
Packaging and Palletizing Tapes.....	47-56
Palletizing Tapes .....	48
Scotch® Stretchable Tape 8884 and 8886 .....	48
Scotch® Stretchable Tape Dispenser .....	48
Box Sealing Tapes .....	49-52
Scotch® Box Sealing Tape 371 .....	49
Scotch® Series Printed Box Sealing Tape .....	50
Scotch® Printed Box Sealing Tape 3732 and 3734.....	51
Scotch® Premium Heavy Duty Packaging Tape 3750 .....	51
Scotch® Box Sealing Tape Hand-Held Dispenser H122 .....	52
Scotch® Box Sealing Tape Hand-Held Dispenser H180 .....	52
Scotch® Box Sealing Tape Dispenser H183.....	52
Filament Tapes .....	53-54
Scotch® Industrial Grade Filament Tape 893.....	53
Scotch® Commercial Grade Filament Tape 897.....	53
Scotch® Filament Tape Dispensers H10 .....	54
Label Protection Tapes.....	54-56
Scotch® Labelgard™ Film Tape 821 .....	54
Scotch® Pouch Tape 8240 .....	55
Scotch® Label Protection Tape 3565 Clear.....	55
Scotch® Label Protection Dispenser M707 .....	56
Scotch® Label Protection Dispenser M727 .....	56



## Scotch® Stretchable Tape 8884 and 8886

Scotch® Stretchable Tape 8884 and 8886 are high-performance transparent stretchable tapes, designed to contain A- and B-type pallets for internal and external shipping purposes. (A-type pallets have less than 1" overhang while B-type pallets have between 1-3" overhang.)

<b>Adhesive Material</b>	Synthetic Rubber Resin
<b>Backing Material</b>	Polyethylene
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Filament
<b>RoHS 2011/65/EU</b>	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
8884	021200-69313	Clear	55 m	36 mm	5 mil	710%	20 lbs/in (350 N/100 mm)	70 oz/in (77 N/100 mm)	24
8886	021200-69314	Clear	55 m	36 mm	7 mil	720%	28 lbs/in (490 N/100 mm)	65 oz/in (71 N/100 mm)	24

## Scotch® Stretchable Tape Dispenser

Scotch® Stretchable Tape Dispenser H38 is a lightweight, economical, high-impact plastic hand dispenser.

<b>Tape Type</b>	Packaging
<b>Dispenser Type</b>	Hand Held
<b>Dispenser Material</b>	Plastic and Metal

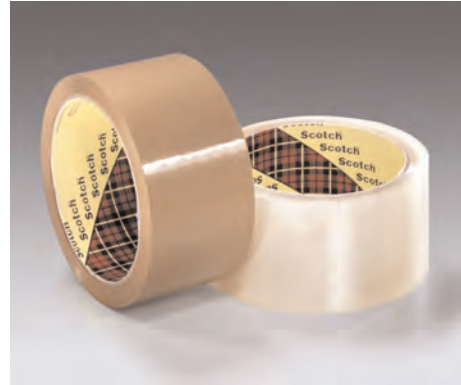


Order No.	UPC	Color	Width	Items per Case
H38	021200-73217	Gray	1.5"	6 Dispensers

## Scotch® Box Sealing Tape 371

Scotch® Box Sealing Tape 371 is an industrial packaging tape used for box sealing, splicing, recoupage and other packaging applications. This product has a conformable backing and a consistent pressure sensitive hot melt synthetic rubber adhesive system.

Adhesive Material	Rubber Resin
Backing Material	Acrylic
Tape Grade	Premium
Tape Type	Box
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
371-CLEAR-72MMX100M	021200-19280	Clear	100 m	72 mm	1.9 mil	160%	22 lbs/in (385 N/100 mm)	45 oz/in (44 N/100 mm)	24
371-CLEAR-72MMX50M	021200-19279	Clear	50 m	72 mm	1.9 mil	160%	22 lbs/in (385 N/100 mm)	45 oz/in (44 N/100 mm)	24
371-TAN-72MMX100M	021200-61525	Tan	100 m	72 mm	1.9 mil	160%	22 lbs/in (385 N/100 mm)	45 oz/in (44 N/100 mm)	24
371-TAN-72MMX50M	021200-18197	Tan	50 m	72 mm	1.9 mil	160%	22 lbs/in (385 N/100 mm)	45 oz/in (44 N/100 mm)	24

## Scotch® Series Printed Box Sealing Tape

Scotch® Box Sealing Tape 3771, 3772, and 3775 are standard message packaging tapes used for box sealing, splicing, recoupage and other packaging applications. This product has a conformable backing and a consistent pressure sensitive hot melt synthetic rubber adhesive system.

Adhesive Material	Hot Melt Rubber Resin
Backing Material	Biaxially Orientated Polypropylene
Tape Grade	Premium
Tape Type	Box Sealing Tape
RoHS 2011/65/EU	Yes



Order No.	UPC	Printed Message	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
3771	021200-72301	If Seal Is Broken, Check Contents Before Accepting	White (with Red print)	100 m	48 mm	1.9 mil	160%	22 lbs/in (385 N/100 mm)	40 oz/in (44 N/100 mm)	36
3772	021200-72304	Fragile Handle With Care	White (with Red print)	100 m	48 mm	2.2 mil	160%	26 lbs/in (455 N/100 mm)	45 oz/in (49 N/100 mm)	36
3775	021200-72458	Mixed Merchandise Enclosed	White (with Red print)	100 m	48 mm	3.1 mil	160%	35 lbs/in (613 N/100 mm)	55 oz/in (60 N/100 mm)	36

## Packaging and Palletizing Tapes: Box Sealing Tapes

## Scotch® Printed Box Sealing Tape 3732 and 3734

Scotch® Box Sealing Tapes 3732 and 3734 are high performance packaging tapes used for box sealing, splicing, recoupage, and other demanding packaging applications. This product has a heavy-duty, conformable backing and one of the most consistent pressure sensitive hot melt adhesive systems available from 3M.

Adhesive Material	Hot Melt Rubber Resin
Backing Material	Polypropylene Film
Tape Grade	Premium
Tape Type	Box Sealing Tape



Order No.	UPC	Printed Message	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
3732	021200-72415	If Seal Is Broken Check Contents Before Accepting	Tan (with Red print)	50 m	48 mm	2.5 mil	160%	30 lbs/in (525 N/100 mm)	50 oz/in (55 N/100 mm)	36
3734	021200-72417	Fragile Handle With Care	Tan (with Red Print)	50 m	48 mm	2.5 mil	160%	30 lbs/in (525 N/100 mm)	50 oz/in (55 N/100 mm)	36

## Scotch® Premium Heavy Duty Packaging Tape 3750

Strong conformable film backing and hot melt synthetic rubber-resin adhesive system provides a consistent uniform seal. Resists center seam splitting, provides reliable closures. Resistant to moisture, dust and dirt. Its aggressive packaging adhesive allows tape to stick instantly and hold tightly.

Adhesive Material	Hot Melt Rubber Resin
Backing Material	Polypropylene Film
Tape Grade	Premium
Tape Type	Packaging Tape
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Rolls per Carton	Rolls per Case
3750	021200-72441	Clear	164' (50 m)	1.89" (48 mm)	3.1 mil	-	36
3750T	021200-72439	Tan	164' (50 m)	1.89" (48 mm)	3.1 mil	-	12

Packaging and Palletizing Tapes: Box Sealing Tapes

## Scotch® Box Sealing Tape Hand-Held Dispenser H122

Scotch® Box Sealing Tape Dispenser H122 is a lightweight, compact, durable plastic hand-held dispenser with built-in brake for tighter more precise seals for box sealing.

Tape Type	Packaging
Dispenser Type	Hand Held
Dispenser Material	Plastic and Metal



Order No.	UPC	Color	Width	Items per Case
H122	021200-06925	Gray	2.0"	6 Dispensers

## Scotch® Box Sealing Tape Hand-Held Dispenser H180

Scotch® Box Sealing Tape Dispenser H180 is a portable, lightweight, easy-to-operate, hand-held tape dispenser.

Tape Type	Packaging
Dispenser Type	Hand Held
Dispenser Material	Plastic and Metal



Order No.	UPC	Color	Width	Items per Case
H180-6PERCASE	021200-19008	Tan and Gray	2.0"	6 Dispensers

## Scotch® Box Sealing Tape Dispenser H183

Scotch® Box Sealing Tape Dispenser H183 is a portable, lightweight, easy-to-operate, hand-held tape dispenser.

Dispenser Type	Hand Held
Tape Type	Packaging



Order No.	UPC	Color	Width	Items per Case
H183	021200-61850	Tan and Gray	3.0"	5 Dispensers



## Packaging and Palletizing Tapes: Filament Tapes

## Scotch® Industrial Grade Filament Tape 893

Scotch® Filament Tape 893 is a general-purpose packaging tape reinforced with continuous glass-yarn filaments that give the tape high tensile strength and low stretch. The clear 3M™ Scotchpro™ Backing provides excellent abrasion and moisture resistance. The aggressive packaging-grade adhesive is specifically formulated to provide an excellent balance of high initial adhesion and long-term holding power to most fiberboard surfaces. When used in bundling, reinforcing, or coil tabbing applications, where high temperatures and/or oily surfaces are involved, tests should be conducted per the individual application before extensive use to determine the tape's suitability.

Adhesive Material	Synthetic Rubber Resin
Backing Material	Polypropylene Film
Tape Grade	Premium
Tape Type	Filament
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
893-12MMX55M	051131-06937	Clear	55 m	12 mm	6 mil	0.045	300 lbs/in (5250 N/100 mm)	55 oz/in (60 N/100 mm)	72
893-18MMX55M	051131-06938	Clear	55 m	18 mm	6 mil	0.045	300 lbs/in (5250 N/100 mm)	55 oz/in (60 N/100 mm)	48
893-24MMX55M	051131-06939	Clear	55 m	24 mm	6 mil	0.045	300 lbs/in (5250 N/100 mm)	55 oz/in (60 N/100 mm)	36

## Scotch® Commercial Grade Filament Tape 897

Scotch® Filament Tape 897 is a glass-filament-reinforced tape suitable for light to medium duty strapping, bundling, and reinforcing applications. Scotch® Tape 897 has a synthetic rubber resin adhesive with good adhesion to most fiberboard surfaces and to a variety of plastic and metal surfaces.

Adhesive Material	Synthetic Rubber Resin
Backing Material	Polypropylene Film
Tape Grade	Premium
Tape Type	Filament
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Adhesion to Steel	Rolls per Case
897-12MMX55M	021200-86523	Clear	55 m	12 mm	6 mil	170 lbs/in (2980 N/100 mm)	60 oz/in (65 N/100 mm)	72
897-18MMX55M	021200-86524	Clear	55 m	18 mm	6 mil	170 lbs/in (2980 N/100 mm)	60 oz/in (65 N/100 mm)	48
897-24MMX55M	021200-86525	Clear	55 m	24 mm	6 mil	170 lbs/in (2980 N/100 mm)	60 oz/in (65 N/100 mm)	36

## Packaging and Palletizing Tapes: Filament Tapes

### Scotch® Filament Tape Dispensers H10

Scotch® Filament Tape Dispenser H10 is a portable, high impact durable hand-held unit that dispenses 1/2 inch to 1 inch for sealing boxes.

Tape Type Filament  
Dispenser Type Hand Held



Order No.	UPC	Color	Width	Items per Case
H10	021200-06910	Gray	1.0"	6 Dispensers

## Packaging and Palletizing Tapes: Label Protection Tapes

### Scotch® Labelgard™ Film Tape 821

Scotch® Labelgard™ Film Tape 821 is a lightly tinted pink acetate backing featuring a matte writable surface with an acrylic adhesive.

Adhesive Material Acrylic  
Backing Material Acetate  
Tape Grade Premium  
Tape Type Packaging  
RoHS 2011/65/EU Yes



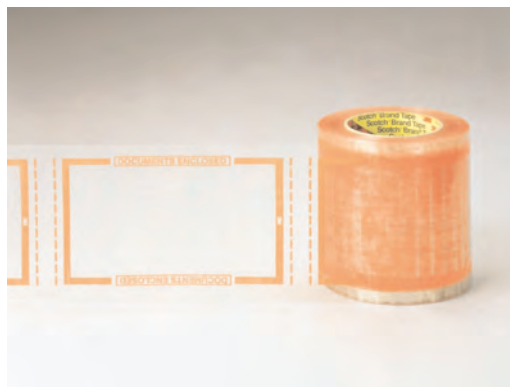
Order No.	UPC	Color	Length	Width	Thickness	Rolls per Case
821-5"x72yd-Bulk	021200-04134	Pink	72 yd	4"	2.5 mil	8

## Packaging and Palletizing Tapes: Label Protection Tapes

## Scotch® Pouch Tape 8240

Scotch® Pouch Tape 8240 is a clear polypropylene backing with a rubber resin adhesive. Backing is printed with a bright orange border and a printed message **DOCUMENTS ENCLOSED** creating a non-tacky, see through, central rectangle for placing shipping documents.

Adhesive Material	Synthetic Rubber
Backing Material	Polypropylene Film
Tape Grade	Premium
Tape Type	Packaging
RoHS 2011/65/EU	Yes



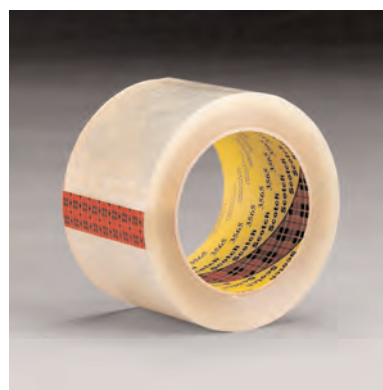
Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Pouches per Roll	Rolls per Case
8240-5"X6"	021200-06947	Clear	6"	5"	2.5 mil	160%	30 lbs/in (525 N/100mm)	50 oz/in (55 N/100mm)	500	8

## Scotch® Label Protection Tape 3565 Clear

Scotch® Label Protection Tape 3565 is a clear polypropylene backing with a rubber resin adhesive.

- Film is tough and resistant to edge tear, splitting, moisture, abrasion and smudges.
- Excellent transparency makes labels easy to read.
- Adheres to wide variety of surfaces.
- General industrial, commercial.
- Protecting, label protection, holding, attaching, labeling and shipping.

Adhesive Material	Synthetic Rubber Resin
Backing Material	Polypropylene Film
Tape Type	Packaging
RoHS 2011/65/EU	Yes



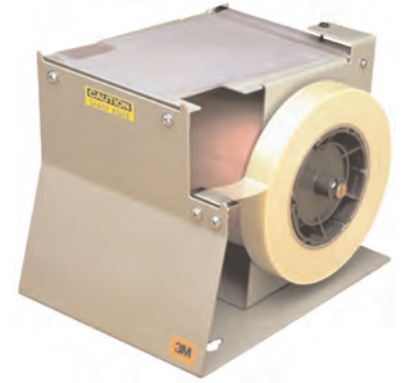
Order No.	UPC	Color	Length	Width	Thickness	Elongation	Breaking Strength	Adhesion to Steel	Rolls per Case
3565-96mm x 100m	021200-73154	Clear	100 m	96 mm	1.9 mil	160%	22 lbs/in (385 N/100 mm)	40 oz/in (44 N/100 mm)	18

## Packaging and Palletizing Tapes: Label Protection Tapes

### Scotch® Label Protection Dispenser M707

Scotch® Pouch Tape Dispenser M707 is a pouch tape dispenser with metal construction.

Dispenser Type	Tabletop
Dispenser Material	Metal
Tape Type	Packaging



Order No.	UPC	Color	Width	Items per Case
M707	021200-06923	Gray	4.0"	6 Dispensers

### Scotch® Label Protection Dispenser M727

Scotch® Pouch Tape Dispenser M727 is a pouch tape dispenser with metal construction.

Dispenser Type	Tabletop
Dispenser Material	Metal
Tape Type	Packaging



Order No.	UPC	Color	Width	Items per Case
M727	021200-06944	Gray	5.0"	6 Dispensers

## Corrosion Protection Tapes and Primer

3M™ Corrosion Protection products can help provide protection on pipes, conduits, fittings and joints, etc.




Section	Page
Corrosion Protection Tapes and Primer .....	57-60
3M™ Scotchrap™ Corrosion Protection 50 and 51 .....	58
3M™ Scotchrap™ Pipe Primer .....	59
3M™ Temflex™ Tape 1100.....	59
3M™ Temflex™ Tape 1200.....	60



## Corrosion Protection Tapes and Primer

### 3M™ Scotchrap™ Corrosion Protection 50 and 51

3M™ Scotchrap™ Corrosion Protection Tapes 50 and 51 are tough, polyvinyl chloride (PVC) tapes with high-tack adhesives that resist corrosion of metal piping systems above and below ground. Both tapes apply over a wide temperature range and are resistant to impact, abrasion and punctures. Coat the pipe or other metal surfaces with 3M Scotchrap Pipe Primer before wrapping with Scotchrap Tapes 50 or 51.

<b>Adhesive Material</b>	Pressure Sensitive Rubber Adhesive
<b>Backing Material</b>	Polyvinyl Chloride
<b>Tape Grade</b>	Premium
<b>Tape Type</b>	Corrosion Protection
<b>Installation Temperature Range</b>	10–150°F (-12–65°C)
<b>Service Temperature Range</b>	-55–176°F (-48–80°C)
<b>RoHS 2011/65/EU</b>	Yes
<b>Country of Origin</b>	




Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
50-UNPRINTED-1X100FT-BOX	054007-11149	Black	100'	1.00"	10 mil	20 lbs/in	10
50-UNPRINTED-1X100FT-BULK	054007-00014	Black	100'	1.00"	10 mil	20 lbs/in	48
50-UNPRINTED-2X100FT-BOX	054007-11156	Black	100'	2.00"	10 mil	20 lbs/in	10
50-UNPRINTED-2X100FT-BULK	054007-10638	Black	100'	2.00"	10 mil	20 lbs/in	24
50-UNPRINTED-3X100FT	054007-09468	Black	100'	3.00"	10 mil	20 lbs/in	16
50-UNPRINTED-4X100FT	054007-10646	Black	100'	4.00"	10 mil	20 lbs/in	12
50-UNPRINTED-6X100FT	054007-15785	Black	100'	6.00"	10 mil	20 lbs/in	8
50-PRINTED-1X100FT	054007-00012	Black	100'	1.00"	10 mil	20 lbs/in	48
50-PRINTED-2X100FT	054007-00013	Black	100'	2.00"	10 mil	20 lbs/in	24
50-PRINTED-4X100FT	054007-00018	Black	100'	4.00"	10 mil	20 lbs/in	12
51-UNPRINTED-1X100FT	054007-42806	Black	100'	1.00"	20 mil	40 lbs/in	24
51-UNPRINTED-2X100FT	054007-42807	Black	100'	2.00"	20 mil	40 lbs/in	12
51-UNPRINTED-4X100FT	054007-42808	Black	100'	4.00"	20 mil	40 lbs/in	4
51-UNPRINTED-6x100FT	054007-42809	Black	100'	6.00"	20 mil	40 lbs/in	4
51-PRINTED-1X100FT	054007-42802	Black	100'	1.00"	20 mil	40 lbs/in	24
51-PRINTED-2X100FT	054007-42803	Black	100'	2.00"	20 mil	40 lbs/in	12
51-PRINTED-4X100FT	054007-42804	Black	100'	4.00"	20 mil	40 lbs/in	4
51-PRINTED-6X100FT	054007-42805	Black	100'	6.00"	20 mil	40 lbs/in	4

## Corrosion Protection Tapes and Primer

### 3M™ Scotchrap™ Pipe Primer

A quick-drying, non-sag rubber base primer that permeates 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 Tapes 50 and 51.



Tape Grade	Premium
RoHS 2011/65/EU	Yes
Country of Origin	 MADE IN USA

Order No.	UPC	Product Name	Size	Min. Order Qty.	Case Qty.
SCOTCHRAP-PRIMER	054007-42768	3M™ Scotchrap™ Pipe Primer	1 gal	4	4

### 3M™ Temflex™ Tape 1100

3M™ Temflex™ Tapes 1100 and 1100P are made of tough, polyvinyl chloride (PVC), especially formulated for corrosion protection of pipes, conduits and metallic cable jackets. They are easy to apply and provide excellent protection against abrasion, puncture, corrosion and electrolytic action both above and below ground. These tapes resist corrosion caused by acids (e.g. sulfuric, hydrochloric, phosphoric), alkalis and other corrosive materials, including compounds of chlorine, bromine, sodium and lithium. They also resist salt water and sunlight.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	General Use
Tape Type	Corrosion Protection
Application Temperature Range	10–120°F (-12–49°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
1100-UNPRINTED-2X100FT	054007-09061	Black	100'	2.00"	10 mil	25 lbs/in	24
1100-PRINTED-2X100FT	054007-09065	Black	100'	2.00"	10 mil	25 lbs/in	24

## Corrosion Protection Tapes and Primer

### 3M™ Temflex™ Tape 1200

General purpose corrosion resistant tape. Good abrasion resistance.

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Tape Grade	General Use
Tape Type	Corrosion Protection
Application Temperature Range	10–120°F (-12–49°C)
RoHS 2011/65/EU	Yes



Order No.	UPC	Color	Length	Width	Thickness	Breaking Strength	Rolls per Case
1200-PRINTED-2X100FT	051128-56330	Black	100'	2.00"	20 mil	50 lbs/in	12

## Wireless Weatherproofing Kits

3M™ Wireless Weatherproofing Kits WK-100 and WK-101 create a reliable weatherproof seal for cable-to-cable and cable-to-device connections. 3M Wireless Weatherproofing Kit WK-100 may be used for general use applications, while 3M Wireless Weatherproofing Kit WK-101 may be used for cold weather applications.



<b>Section</b>	<b>Page</b>
Wireless Weatherproofing Kits.....	61-62
Wireless Weatherproofing Kit WK-100 for General Use .....	62
Wireless Weatherproofing Kit WK-101 for Cold Weather .....	62

## Wireless Weatherproofing Kits

### Wireless Weatherproofing Kit WK-100 for General Use

3M™ Wireless Weatherproofing Kit WK-100 creates a reliable weatherproof seal for cable-to-cable and cable-to-device connections. For general use applications.



Order No.	UPC	Contents	Temperature Range (Fahrenheit)	Temperature Range (Celsius)	Kits per Case
WK-100	051128-58566	(6) rolls of 3M™ Butyl Mastic Tape 2212 (2.5"x24", Black) (2) rolls of 3M™ Temflex™ Vinyl Electrical Tape 1700 (3/4"x60', Black) (1) roll of Scotch® Vinyl Electrical Tape 700 (2"x20', Black)	32°F to 176°F	0°C to 80°C	10

### Wireless Weatherproofing Kit WK-101 for Cold Weather

3M™ Wireless Weatherproofing Kit WK-101 creates a reliable weatherproof seal for cable-to-cable and cable-to-device connections. For cold weather applications.

Country of Origin



Order No.	UPC	Contents	Temperature Range (Fahrenheit)	Temperature Range (Celsius)	Kits per Case
WK-101	051128-58567	(6) rolls of 3M™ Butyl Mastic Tape 2212 (2.5"x24", Black) (2) rolls of Scotch® Super 33+™ Vinyl Electrical Tape (3/4"x66', Black) (1) roll of Scotch® Super 33+™ Vinyl Electrical Tape (2"x20', Black)	0°F to 221°F	-18°C to 105°C	10