

# 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<br>Tapes | Rubber<br>Tapes | Mastic & Filler<br>Putty Tapes | Varnish<br>Cambric | Arc Proofing<br>Tapes | Silicone<br>Tapes | Glass Cloth<br>Tapes | Mining & Jacket<br>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                 |                      |                                 |

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## 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+™<br><b>Best Seller</b>                    |    | 7 mils    | 0°F to 221°F<br>(-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<br>(-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<br>(-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>†</sup> | 30 oz./in. <sup>†</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>†</sup> | 30 oz./in. <sup>†</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>†</sup>Test results at -12°C

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# 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<br>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.  
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NOTE: \* Cloth made in Pakistan - coated and packaged in USA.

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# 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>                                                                                                                                  |                                                     |           |                              |                                |                          |                               |            |                   |                        |       |
| <b>Scotch® Vinyl Mastic Tapes 2200</b><br>                     | 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 |
| <b>Scotch® Vinyl Mastic Tapes 2210</b><br>                     | 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 |
| <b>Scotch® Rubber Mastic Tape 2228</b><br>                     | 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 |
| <b>3M™ Scotch-Seal™ Mastic Tape Compound 2229</b><br>          | 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 |
| <b>Scotch® Electrical Moisture Sealant 06147/06149</b><br>    | 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>                                                                                                                    |                                                     |           |                              |                                |                          |                               |            |                   |                        |       |
| <b>3M™ Scotchfil™ Black, Electrical Insulation Putty</b><br> | 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>                                                                                                                              |                                                     |           |                              |                                |                          |                               |            |                   |                        |       |
| <b>Scotch® Cable Jacket Repair Tape 2234</b><br>             | 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 |

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# 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.



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## 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, alkalies, 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,<br>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.



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## Sealing and Insulating – Mastic Tapes

## 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             |

## Sealing and Insulating – Mastic Tapes

## 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.



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## Insulating and Splicing – Rubber Tapes

## 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           |  MADE IN USA |



| 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             |

## Insulating and Splicing – Rubber Tapes

## 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             |

## Insulating and Splicing – Rubber Tapes

## 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.

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| 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 |
|--------------|--------------|------------------------------|--------|-------|--------------------------------|------------|-------------------|------------------|----------------|
| 70HDT-1x30FT | 051128-57262 | Sky Blue Gray with Guideline | 30'    | 1.00" | Center: 20 mil<br>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.

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



| 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             |

## Insulating and Splicing – Rubber Tapes

## 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              |

## Insulating and Splicing – Rubber Tapes

## 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             |

## Insulating and Splicing – Rubber Tapes

### 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.

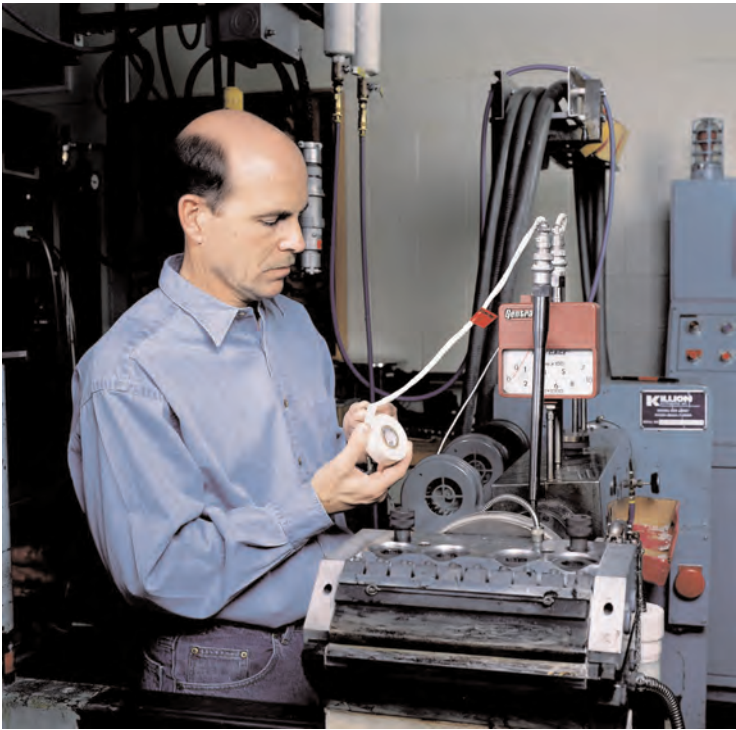
|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Material          | Tinned Copper Woven Braid                                         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



| 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.



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## 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

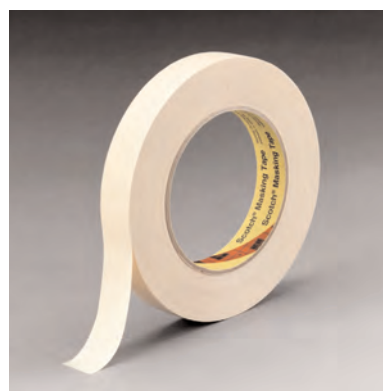


| Order No.     | UPC          | Color | Length | Width | Thickness | Breaking Strength | Rolls per Case |
|---------------|--------------|-------|--------|-------|-----------|-------------------|----------------|
| 48-1/2"X1296" | 054007-27571 | White | 32.9 m | 0.50" | 3 mil     | 5.9 lbs/in        | 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.

|                               |               |
|-------------------------------|---------------|
| 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 |
|--------------|--------------|-------|--------|-------|-----------|------------|--------------------------|------------------------|----------------|
| 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<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 24             |
| 8979-OLIVE-48MM           | 048011-53916 | Olive      | 54.8 m | 48 mm  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 24             |
| 8979-SLATEBLUE-24MM       | 048011-53922 | Slate Blue | 54.8 m | 24 mm  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(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<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 12             |
| 8979-SLATEBLUE-48MM       | 021200-56468 | Slate Blue | 54.8 m | 48 mm  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 24             |
| 8979-SLATEBLUE-72MM       | 021200-56469 | Slate Blue | 54.8 m | 72 mm  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 12             |
| 8979-SLATEBLUE-96MM       | 021200-56470 | Slate Blue | 54.8 m | 96 mm  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 12             |
| 8979-SLATEBLUE-144MM      | 048011-58183 | Slate Blue | 54.8 m | 144 mm | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 6              |
| 8979-SLATEBLUE-12"X60YD   | 048011-53920 | Slate Blue | 60 yd  | 12 in  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(57 N/100 mm) | 2              |
| 8979-SLATEBLUE-29"X60YD   | 051111-92328 | Slate Blue | 60 yd  | 29 in  | 12.6 mil  | 21%        | 36 lbs/in<br>(643 N/100 mm) | 52 oz/in<br>(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<br>(643 N/100 mm) | 48 oz/in<br>(53 N/100 mm) | 48             |
| 8979N-RED-48MMX54.8M  | 048011-53914 | Red        | 54.8 m | 48 mm  | 12.1 mil  | 19%        | 36 lbs/in<br>(643 N/100 mm) | 48 oz/in<br>(53 N/100 mm) | 24             |
| 8979N-RED-72MMX54.8M  | 048011-53915 | Red        | 54.8 m | 72 mm  | 12.1 mil  | 19%        | 36 lbs/in<br>(643 N/100 mm) | 48 oz/in<br>(53 N/100 mm) | 12             |
| 8979N-SLATEBLUE-48MM  | 021200-74327 | Slate Blue | 54.8 m | 48 mm  | 12.1 mil  | 19%        | 36 lbs/in<br>(643 N/100 mm) | 48 oz/in<br>(53 N/100 mm) | 24             |
| 8979N-SLATEBLUE-72MM  | 021200-74328 | Slate Blue | 54.8 m | 72 mm  | 12.1 mil  | 19%        | 36 lbs/in<br>(643 N/100 mm) | 48 oz/in<br>(53 N/100 mm) | 12             |
| 8979N-SLATEBLUE-144MM | 048011-58185 | Slate Blue | 54.8 m | 144 mm | 12.1 mil  | 19%        | 36 lbs/in<br>(643 N/100 mm) | 48 oz/in<br>(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.



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## Scotch® Barricade Tapes

## 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® Barricade Tapes

# 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.



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## Packaging and Palletizing Tapes: Palletizing Tapes

## 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.)

|                   |                        |
|-------------------|------------------------|
| Adhesive Material | Synthetic Rubber Resin |
| Backing Material  | Polyethylene           |
| 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 |
|-----------|--------------|-------|--------|-------|-----------|------------|--------------------------|------------------------|----------------|
| 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.

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



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

## Packaging and Palletizing Tapes: Box Sealing Tapes

## 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<br>(385 N/100 mm) | 45 oz/in<br>(44 N/100 mm) | 24             |
| 371-CLEAR-72MMX50M  | 021200-19279 | Clear | 50 m   | 72 mm | 1.9 mil   | 160%       | 22 lbs/in<br>(385 N/100 mm) | 45 oz/in<br>(44 N/100 mm) | 24             |
| 371-TAN-72MMX100M   | 021200-61525 | Tan   | 100 m  | 72 mm | 1.9 mil   | 160%       | 22 lbs/in<br>(385 N/100 mm) | 45 oz/in<br>(44 N/100 mm) | 24             |
| 371-TAN-72MMX50M    | 021200-18197 | Tan   | 50 m   | 72 mm | 1.9 mil   | 160%       | 22 lbs/in<br>(385 N/100 mm) | 45 oz/in<br>(44 N/100 mm) | 24             |

## Packaging and Palletizing Tapes: Box Sealing Tapes

## Scotch® Series Printed Box Sealing Tape

Scotch® Box Sealing Tape 3771, 3772, and 3775 are standard message packaging tapes used for box sealing, splicing, recouperage 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 system 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.

|                           |                   |
|---------------------------|-------------------|
| <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 |
|-----------|--------------|-------|-------|----------------|
| 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.

|                           |                   |
|---------------------------|-------------------|
| <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 |
|---------------|--------------|--------------|-------|----------------|
| 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.

|                       |           |
|-----------------------|-----------|
| <b>Dispenser Type</b> | Hand Held |
| <b>Tape Type</b>      | 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                    |



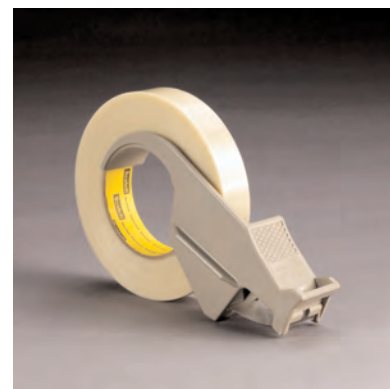
| Order No.    | UPC          | Color | Length | Width | Thickness | Breaking Strength          | Adhesion to Steel      | Rolls per Case |
|--------------|--------------|-------|--------|-------|-----------|----------------------------|------------------------|----------------|
| 897-12MMX55M | 021200-86523 | 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                |



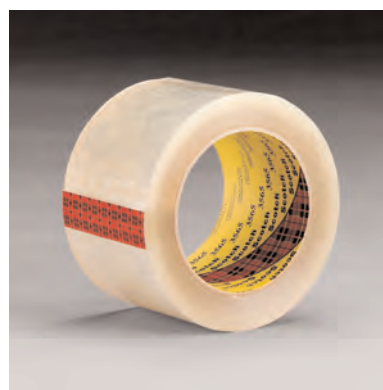
| Order No.  | UPC          | Color | Length | Width | Thickness | Elongation | Breaking Strength       | Adhesion to Steel     | Pouches per Roll | Rolls per Case |
|------------|--------------|-------|--------|-------|-----------|------------|-------------------------|-----------------------|------------------|----------------|
| 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.



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## 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.

**Adhesive Material** Pressure Sensitive Rubber Adhesive

**Backing Material** Polyvinyl Chloride

**Tape Grade** Premium

**Tape Type** Corrosion Protection

**Installation Temperature Range** 10–150°F (-12–65°C)

**Service Temperature Range** -55–176°F (-48–80°C)

**RoHS 2011/65/EU** Yes

**Country of Origin**



| 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 |  |



| 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), alkalies 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.



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## 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            |