

Electrical Solutions



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At 3M, we design connectors that are as comfortable and easy to use as they are dependable.

3M Scotchlok™ Electrical Spring Connectors



3M™ Scotchlok™ Y, R, G and B Electrical Spring Connectors are the original color-coded wire connectors designed with the features electricians request. These four spring connectors have a corrosion-resistant steel inner shell to strengthen them while permitting spring expansion and contraction due to temperature changes. The live-action spring delivers reliable, vibration-resistant connections over a wide range of wire combinations from 2 #18 through 3 #8 copper AWG. A deep, flared skirt makes wire insertion easier and protects against shorts and shiners. Finally, the design and a flexible base let 3M™ Scotchlok™ connectors bend with the wires you're splicing to fit easily into tight places.

Features:

- Color-coded.
- Unique soft shell.
- Flexible and durable.
- Fully-insulated connection that won't cut or abrade wires.
- Comfortable and secure grip.
- Installation fast and back-off easy.

Learn More:

- [3M™ Scotchlok™ Insulated Electrical Spring Connector Blue – Data Sheet \(United States\).pdf](#)
- [3M™ Scotchlok™ Insulated Electrical Spring Connector Red – Data Sheet \(United States\).pdf](#)
- [Scotchlok Y \(Yellow\) Insulated Electrical Spring Connector – Data Sheet.pdf](#)



Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
Scotchlok 'B' UE-1000-0110-1 0 54007 42033 0	3-6 #12, 2-6 #10, 2-3 #8, 1-2 #6 stranded AWG Blue, 50/box	50/box 500	15.8000 lbs 7.1668 kg	20.3" 0.514m	8.4" 0.214m	4.8" 0.122m
Scotchlok 'R' UE-1000-0109-3 0 54007 20058 1	9 #18, 4-6 #16, 2-5 #14, 2-5 #12, 1-3 #10 AWG Red, 100/box	100/box 1000	9.6 lbs 4.3545 kg	18.7" 0.475m	7.7" 0.195m	4.5" 0.114m
Scotchlok 'G' 80-6011-0040-9 0 54007 21346 8	3-7 #14, 2-6 #12, 2-4 #10, 2 #8 AWG Green, 100/box	100/box 1000	16.4600 lbs 7.4661 kg	20.3" 0.514m	8.4" 0.214m	4.8" 0.122m
Scotchlok 'G' (Bag) 80-6104-5612-3 0 54007 70488 1	3-7 #14, 2-6 #12, 2-4 #10, 2 #8 AWG Green, 500/bag	500/bag 2500	40.10 lbs. 18.1891 kg	12.3" 0.312m	11.0" 0.279m	12.6" 0.320m
Scotchlok 'Y' 80-6011-0010-2 0 54007 20041 3	5-8 #22, 4-6 #20, 2-5 #18, 2-3 #16 AWG Yellow, 100/box	100/box 1000	5.14 lbs 2.3315 kg	13.9" 0.353m	5.7" 0.145m	3.9" 0.099m
Scotchlok 'Y' (Bag) 80-6100-2351-9 0 54007 15769 4	5-8 #22, 4-6 #20, 2-5 #18, 2-3 #16 AWG Yellow, 500/bag	500/bag 2500	47.2 lbs 21.4096 kg	18.4" 0.467m	9.4" 0.239m	14.7" 0.373m



3M™ “Performance Plus” connectors



Because of their increased wire range, just three 3M™ “Performance Plus” Wire Connectors replace the traditional seven, and still cover the entire 600-volt copper wire range.

B/G+ connectors

B/G + covers both the large blue and gray connectors. This simplifies selection of the right connector for a wide range of wiring jobs. There’s also less inventory to manage, and a better chance you’ll have the connector you need to do every job.

Features:

- Exceptionally easy to handle.
- Broad wire capacity.
- Takes fewer sizes to get the job done.
- Maximum protection and fit inside even the most crowded electrical boxes.
- The connectors meet UL max-fill requirements.

Learn More:

- 3M B/G Performance+ Wire Connector – Data Sheet (PDF 69.6 K)
- 3M™ Wire Connector O/B Plus – Data Sheet (PDF 205.9 K)
- Wire Range Chart for 3M Performance Plus Connectors – Graph/Chart (PDF 10.5 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
Performance Plus B/G 80-6107-3454-5 0 54007 50420 7	4 #14, 2 #6, 3 #8 AWG, Blue with Gray skirt 50/box	50/box 500	8.3000 lbs 3.7648 kg	20.3" 0.514m	8.4" 0.214m	4.8" 0.122m
Performance Plus B/G (bulk) 80-6109-8434-8 0 54007 43151 0	4 #14-2 #6, 3 #8 AWG, Blue with Gray skirt 250/ctn	250/ctn 2000	32.0 lbs 14.515 kg	22.0" 0.559m	21.2" 0.538m	8.6" 0.218m

O/B+ connectors

O/B + replaces the orange, blue and gray spring connector style connectors, as well as 70% of the yellow spring connector and wing style connectors. This simplifies selection of the right connector for a wide range of wiring jobs.

Learn More:

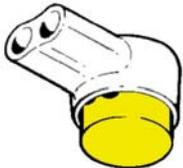
- 3M B/G Performance+ Wire Connector – Data Sheet (PDF 69.6 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
Performance Plus O/B 80-6107-3456-0 0 54007 50422 1	2 #22 AWG up to 3 #12 AWG (solid) or 4 #14 AWG, Orange with Blue skirt 100/box	100/box 1000	3.3000 lbs 1.4969 kg	13.9" 0.353m	5.7" 0.145m	3.9" 0.099m
Performance Plus O/B (bulk) 80-6109-8430-6 0 54007 43153 4	2 #22 AWG up to 3 #12 AWG (solid) or 4 #14 AWG, Orange with Blue skirt 500/ctn	500/ctn 10000	31.5 lbs 14.2882 kg	20.1" 0.511m	16.1" 0.409m	12.0" 0.305m



3M™ Scotchlok™ IDC Connectors

UY2(BX) 19-26 AWG Butt Connector



The UY2's two ports accept any two solid copper conductor combinations of 19-26 AWG (0.9 mm – 0.4 mm) filled or air core cable with a maximum insulation O.D. of .082" (2.08 mm). The wires joined can be different wire gauges. Factory inserted sealant insulates the connections, protects against corrosion, and seals out moisture.

Features:

- Increased port size to accommodate up to 0.82" (2.08 mm) insulation sizes.
- Double elements in all products.
- A solvent-resistant plastic construction.
- RUS Listed.
- Operating Temperature -40 to 285°F (-40 to 140°C).
- Suggested 3M™ Tools: E-9BM, E-9Y.

Learn More:

- [MSDS-USA_19-26 AWG.pdf](#)
- [Scotchlok™ Connectors and Tools – Instructions/Manual \(PDF 74.5 K\)](#)
- [Scotchlok UR2, UY2 and UB2A Connectors Bulletin.pdf](#)
- [Scotchlok™ UY2 Tech Report – Technical Paper.pdf](#)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
UY2(Box) 80-6111-3281-4 0 54007 68537 1	Maximum Insulation 0.082" (2.08mm) AWG range 19-26 (0.9-0.4) Solid wire	1000	1.9000 lbs 0.8618 kg	13.6" 0.345m	5.6" 0.142m	2.9" 0.074m
UY2(Bulk) 80-6111-3280-6 0 54007 68535 7	Maximum Insulation 0.082" (2.08mm) AWG range 19-26 (0.9-0.4) Solid wire	5000	7.62 lbs 3.4564 kg	19.6" 0.498m	5.1" 0.130m	4.8" 0.122m
UY2(Cart) 80-6111-3282-2 0 54007 68534 0	Maximum Insulation 0.082" (2.08mm) AWG range 19-26 (0.9-0.4) Solid wire	10 pkgs	3.6 lbs 1.6329 kg	5.6" 0.142m	5.1" 0.130m	8.4" 0.213m



3M invented vinyl electrical tape and sets the industry standard for quality with a tape for nearly every electrical application. Such electrical tape applications include: marking, insulating, and splicing.

Scotch® 33 Vinyl Electrical Tape

3M™ 33 Vinyl Electrical Tape is a black, 7-mil PVC electrical insulating tape.

Features:

- It provides moisture-tight electrical and mechanical protection.
- Good resistance to abrasion, alkalis, acids and varying weather conditions.
- UL listed for use as electrical insulation up to 600 volts and 176°F (80°C).

Learn More:

- Scotch 33 Vinyl Electrical Tape – Data Sheet (PDF 29.3 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
33 80-6109-2770-1 0 54007 42800 8	18mm x 20 m – 7 mil. Bulk – carton of 100 rolls	100	19.0000 lbs 8.6183 kg	17.2" 0.437m	7.0" 0.178m	8.0" 0.203m



Scotch® Super 33+ Vinyl Electrical Tape

A premium grade vinyl electrical insulating tape, its aggressive adhesive and elastic backing ensure easy, water-resistant conformation to irregular surfaces in low temperatures, yet will not ooze or melt in high temperatures.

**Features:**

- Stickier, stretchier and highly conformable, a premium grade, 7-mil tape.
- Flame retardant, resists UV rays, abrasion, moisture, alkalis, acids and corrosion.
- Use as a primary insulation for wire cable splices up to 600V and for fixture and wire splices up to 1kV.
- Combines the flexibility of a PVC backing with excellent electrical insulating properties.
- UL Listed and CSA Certified.
- Excellent all-weather performance in cold to 0°F (-18°C) or hot to 220°F (105°C).

Learn More:

- Scotch Super 33 Plus Vinyl Electrical Tape – Data Sheet
- MSDS (United States)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
SUPER33 80-6108-3380-0 0 54007 06130 4	3/4" x 20' 19mm x 6.1m	10/box 100	7.55 lbs 3.4246 kg	11.0" 0.279m	8.0" 0.203m	4.8" 0.122m
SUPER33 80-6108-3381-8 TBD	3/4" x 44' 19mm x 13.4m	10/box 100	18.7 lbs 8.4822 kg	19.0" 0.483m	7.8" 0.198m	9.8" 0.249m
SUPER33 80-6112-0701-2 0 54007 06132 8	3/4" x 66' 19mm x 20.1m	10/box 10	25.35 lbs 11.4986	19.0" 0.483m	7.8" 0.198m	9.8" 0.249m



Scotch® 24 Electrical Tape



Scotch® 24 Shielding Tape is an all-metal, flat, open-weave shielding braid that is compatible with power cable insulations and all high-voltage splicing and terminating materials.

Features:

- Elongates easily to conform.
- Is temperature stable.

Learn More:

- [Scotch 24 Electrical Shielding Tape – Data Sheet \(PDF 26.7 K\)](#)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack	lbs	Length	Width	Height
		Case Qty.	kg			
24 80-0120-2401-6 0 54007 15041 1	1" x 15' 25mm x 4.6 m	1/box 10/ctn 50	8.0 lbs 3.6287 kg	17.2" 0.437m	6.6" 0.168m	6.4" 0.163m
24 80-0120-2402-4 0 54007 15058 9	1" x 100' 25mm x 30.5m	1/box 10/ctn 50	7.0 lbs 3.1751 kg	11.8" 0.298m	6.1" 0.154m	6.1" 0.154m



1318 Mastic Putty Roll

Rubber-based, elastic putty in tape form.

Features:

- Can be wrapped, stretched or molded around irregular shapes for moisture sealing.

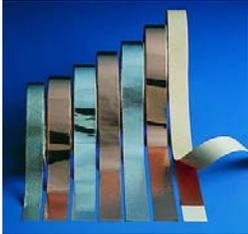
Learn More:

- Scotchfil Electrical Insulation Putty – Data Sheet (PDF 20.8 K)

Product Number	Description	Packaging	Gross Weight	Case Dimensions		
3M Order Code		Inner Unit Pack	lbs	Length	Width	Height
UPC Code		Case Qty.	kg			
1318						
UE-5555-6768-9						
		50				



EMI Aluminum and Copper Shielding Tape



Used for EMI shielding applications including shielding cables for motors, cables, cabinets and components. It is UL 510 flame-retardant and ideally suited for static charge draining, grounding.

1170 EMI Aluminum Foil Shielding Tape

Features:

- 3 inch paper core, easily die-cut.
- 2 mil smooth aluminum foil tape has a conductive adhesive.
- Its acrylic adhesive has good resistance to heat, oxidation, solvents and oils.

Learn More:

- 3M™ 1170 Tape Aluminum Foil with Conductive Adhesive – Data Sheet (PDF 63.6 K)
- 1245 Tape – Data Sheet (PDF 20.8 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
1170 80-0111-7002-6 0 54007 27464 3	1" x 18 yd – 2 Mil. 25.40mm x 16.5 m	9	3.5670 lbs 1.6180 kg	8.4" 0.213m	8.4" 0.213m	10.6" 0.269m

1245 EMI Copper Shielding Tape

Features:

- This tape is conductive through the adhesive.
- Acrylic adhesive has good resistance to heat, oxidation, solvents and oils.
- 1.4 mil embossed copper foil has acrylic pressure-sensitive adhesive on liner.

Learn More:

- 3M™ 1170 Tape Aluminum Foil with Conductive Adhesive – Data Sheet (PDF 63.6 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
1245 80-0180-0030-9 0 54007 27531 2	1" x 18 yd – 1.4 Mil. 25.40mm x 16.5 m	9	5.1670 lbs 2.3437 kg	8.4" 0.213m	8.4" 0.213m	10.5" 0.267m



Scotchrap™ 50 Corrosion Protection Tape



This 10 mil tape with PVC backing is all-weather performance and corrosion resistant and has a high quality adhesive. Apply this tape over a wide temperature range and is resistant to impact, abrasions and punctures.

Features:

- Apply this tape over a wide temperature range.
- Is resistant to impact, abrasions and punctures.
- Use above or below ground

Learn More:

- Scotchrap 50,51 & Pipe Primer – Data Sheet (PDF 60.3 K)

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
50 UE-0000-9264-8	24mm x 30.5m – 10 mil.	10					
50 UE-0000-9266-3	48mm x 30.5m – 10 mil.	12					
50 UE-0000-9270-5	96mm x 30.5m – 10 mil.	12					
50 UE-0000-9273-9	96mm x 30.5m – 10 mil.	10					



Scotch® 22 Heavy Duty Vinyl Electrical Tape



This black, 10 mil tape is one of 3M™'s thickest vinyl electrical tapes. It seals in all kinds of weather and provides moisture-tight electrical and mechanical protection with fewer wraps than thinner tapes.

Features:

- Designed for heavy duty insulation applications that require the greater mechanical strength and abrasion resistance.
- UL Listed for use as electrical insulation up to 600 volts and 176°F (80°C).
- UL 510 flame-retardant.

Learn More:

- 3M™ Scotch® 22 Heavy Duty Vinyl Electrical Tape – Data Sheet (PDF 56.5 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight lbs kg	Case Dimensions		
		Inner Unit Pack Case Qty.		Length	Width	Height
22 UE-0000-0533-5	24mm x 30m, 1/box	1/box				
		12				
22 UE-0000-2141-5	36mm x 30m, 1/box	1/box				
		12				



Scotch® 23 Rubber Splicing Tape



Use as a primary electrical insulation for splicing all solid dielectric cables through 69kV and for building stress cones on cables up to 35kV.

Features:

- A self-fusing, 30-mil Ethylene Propylene Rubber (EPR) based corona-resistant insulating tape.
- Provides a tight, void-free, moisture resistant electrical insulation.

Learn More:

- Scotch 23 All-Voltage Splicing Tape – Data Sheet
- MSDS (United States)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack	lbs	Length	Width	Height
		Case Qty.	kg			
23 VE-0000-2828-6 0 54007 15025 1	3/4" x 30' 19mm x 9.1m	1/box 50	20.6 lbs 9.3440 kg	23.5" 0.597m	9.8" 0.249m	5.1" 0.130m
23 VE-0000-2831-0 0 54007 13061 1	1" x 20' 25mm x 6.1m	1/box 50	36.45 lbs 16.5334 kg	23.6" 0.599m	10.1" 0.257m	11.5" 0.292m
23 VE-0000-2834-4 0 54007 15033 6	2" x 30' 51mm x 9.1m	1/box 10/ctn 50	51.25 lbs 23.2466 kg	23.4" 0.594m	10.4" 0.264m	11.5" 0.292m
23 HO-0017-2466-7	3/4" x 30' 19mm x 9m Suitable to 90 degrees	40				
23 HO-0017-9819-0	1" x 20' 25mm x 9m Suitable to 90 degrees	32				

Other widths and lengths available on request.



Scotch® 27 Glass Cloth Electrical Tape



Scotch 27 electrical tape is a woven glass cloth tape designed to operate in 600 volt dry applications requiring high mechanical strength and resistance to high temperatures. It is edge-tear resistant, conformable, abrasion resistant; for use as a coil cover, anchor, banding and core, layer and crossover insulation. This tape is used for heat-stable insulation for furnace and oven controls, motor leads, and switches.

Features:

- UL Recognized 150°C. Printable.
- High temperature thermosetting adhesive.
- Excellent solvent resistance.
- Class B rating to Class H.
- High temperature resistance.
- Glass cloth backing, mechanical protection.
- Lasts longer and improves safety.

Learn More:

- 27 Glass Cloth Electrical Tape – Data Sheet (PDF 10.2 K)

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
White, 7 mil						
27 80-0120-2035-2 0 54007 15066 4	1/2" x 66' 13mm x 20.1 m	50	8.0 lbs 3.6287 kg	19.8" 0.503m	8.2" 0.208m	4.9" 0.124m
27 80-0120-2036-0 0 54007 15074 9	3/4" x 66' 19mm x 20.1 m	50	11.9 lbs 5.3977 kg	19.4" 0.493m	8.2" 0.208m	4.9" 0.124m
27 80-0120-2011-3 0 54007 27477 3	3/4" x 60 yds. 19mm x 54.8 m	24	7.6 lbs 3.4473 kg	6.8" 0.173m	6.8" 0.173m	10.5" 0.267m
27 80-0120-2013-9 0 54007 10570 1	1" x 60 yds. 24mm x 54.8 m	24	6.7 lbs 3.0391 kg	8.6" 0.218m	8.4" 0.213m	10.5" 0.267m
27 80-0120-2015-4 0 54007 27478 0	1 1/2" x 60 yds. 36mm x 54.8 m	9	15.25 lbs 6.9173 kg	13.4" 0.340m	13.4" 0.340m	11.6" 0.295m



Scotch® 35 Vinyl Electrical Tape



Use as a primary insulation for wire cable splices up to 600V, and for fixture and wire splices up to 1kV.

Features:

- Stickier, stretchier and highly conformable, a premium grade, 7-mil tape, hot and cold weather resistant.
- 35 Tape resists UV rays, abrasion, moisture, alkalis, acids and corrosion.

Learn More:

- Scotch 35 Vinyl Electrical Color Coding Tape – Data Sheet (PDF 24.1 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack	lbs	Length	Width	Height
		Case Qty.	kg			
1/2" x 20' / 13mm x 6.1m						
35 80-6108-3391-7 0 54007 10240 3	1/2" x 20', Blue 13mm x 6.1m	1/can	5.3 lbs 2.404 kg	11.4" 0.290m	4.8" 0.122m	6.3" 0.160m
		10				
35 80-6108-3389-1 0 54007 10224 3	1/2" x 20', Red 13mm x 6.1m	1/can	5.3 lbs 2.404 kg	11.4" 0.290m	4.8" 0.122m	6.3" 0.160m
		10				
35 80-6108-3397-4 0 54007 10232 8	1/2" x 20', White 13mm x 6.1m	1/can	5.3 lbs 2.404 kg	11.4" 0.290m	4.8" 0.122m	6.3" 0.160m
		10				
3/4" x 66' / 19mm x 20.1m						
35 80-6108-3392-5 0 54007 10836 8	3/4" x 66', Blue 19mm x 20.1m	1/can	24.85 lbs 11.2718 kg	19.0" 0.483m	7.8" 0.198m	9.8" 0.249m
		10				
35 80-6108-3390-9 0 54007 10810 8	3/4" x 66', Red 19mm x 20.1m	1/can	24.85 lbs 11.2718 kg	19.0" 0.483m	7.8" 0.198m	9.8" 0.249m
		10				
35 80-6108-3398-2 0 54007 10828 3	3/4" x 66', White 19mm x 20.1m	1/can	24.85 lbs 11.2718 kg	19.0" 0.483m	7.8" 0.198m	9.8" 0.249m
		10				



Scotch® 69 Glass Cloth Tape

This is a 7 mil woven glass cloth tape with a silicone pressure-sensitive adhesive, for use as a coil cover, anchor, for banding and core, layer and crossover insulation.

**Features:**

- UL Recognized 180°C. Edge-tear resistant.
- Conformable.
- High-temperature flame resistant adhesive.
- Printable.
- Recommended for use with Scotch® 77 Electric Arc-Proofing Tape.

Learn More:

- 3M™ 69 Electrical Tape – OEM Glass Cloth – Data Sheet (PDF 8.8 K)

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
69 80-0120-4005-3 0 54007 27494 0	1" x 36 yd. 25mm x 32.9 m	9	4.7500 lbs 2.1546 kg	8.4" 0.213m	8.4" 0.213m	10.5" 0.267m



Scotch® 1710 Vinyl Tape

3M™ 1710 Vinyl Insulating Tape offers good resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including ultraviolet). UL Listed and is flame-retardant.

Learn More:

- 3M™ Tartan™ 1710 Vinyl Electrical Tape – Data Sheet (PDF 10.6 K)

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
1710 UE-5555-7134-3	Black – 332-CC	100	18.0 lbs 8.1647 kg		16.9" 0.429m	7.0" 0.178m	8.2" 0.20m
1710 UE-5555-7139-2	Blue – 332-CC	100	18.0 lbs 8.1647 kg		16.9" 0.429m	7.0" 0.178m	8.2" 0.20m
1710 UE-5555-7138-4	Green – 332-CC	100	18.0 lbs 8.1647 kg		16.9" 0.429m	7.0" 0.178m	8.2" 0.20m
1710 UE-5555-7136-8	Red – 332-CC	100	18.0 lbs 8.1647 kg		16.9" 0.429m	7.0" 0.178m	8.2" 0.20m
1710 UE-5555-7137-6	White – 332-CC	100	18.0 lbs 8.1647 kg		16.9" 0.429m	7.0" 0.178m	8.2" 0.20m
1710 UE-5555-7135-0	Yellow – 332-CC	100	18.0 lbs 8.1647 kg		16.9" 0.429m	7.0" 0.178m	8.2" 0.20m



Scotch® 2228 Rubber Mastic Tape



This Scotch® 2228 Rubber Mastic Tape consists of Ethylene Propylene Rubber (EPR) backing coated with a strong, temperature-stable mastic adhesive. Use this tape to insulate, pad, and seal bus bar and splice connections. It is temperature-rated at 194°F (90°C), and rated for emergency overload of 266°F (130°C).

Features:

- Black 65 mil conformable.
- Self-fusing rubber electrical insulating and sealing tape.

Learn More:

- Scotch 2228 Rubber Mastic Tape – Data Sheet (PDF 28.2 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
2228 80-6103-2294-5 0 54007 09656 6	2" x 3' 51mm x 3.05 m		9.2000 lbs 4.1731 kg	14.1" 0.358m	8.5" 0.216m	4.8" 0.122m
		10				



Scotch® 13 Semi-conducting Tape



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

Features:

- Highly conformable.
- Semi-conducting Ethylene Propylene Rubber (EPR) based.
- Elongates easily to conform to irregular shapes.
- Retains its conductivity when stretched.
- Compatible with cable semi-conducting jackets.

Learn More:

- [Scotch 13 Electrical Semi-Conducting Tape – Data Sheet \(PDF 127.0 K\)](#)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack	lbs	Length	Width	Height
		Case Qty.	kg			
13	3/4" x 15'	1/box	11 lbs	19.2"	8.3"	5.2"
UE-1000-0094-7	19mm x 4.57 m	10	4.9895 kg	0.488m	0.211m	0.132m
0 54007 15017 6		50				



Scotch® 70 Self-Fusing Silicone Rubber Electrical Tape

This Scotch® 70 Self-Fusing Silicone Rubber Electrical Tape is used as a protective overwrap for terminating high voltage cables.

Features:

- High-temperature arc-and track-resistant tape.
- Self-fusing, inorganic silicone rubber.
- Easy-tear and easy-strip liner.

Learn More:

- Scotch 70 Self-Fusing Rubber Electrical Tape – Data Sheet (PDF 50.7K)
- MSDS (Unites States)



Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
70	1" x 30'	1/box	14.0 lbs	18.0"	7.1"	7.3"
UE-1000-5302-9	25mm x 9.1 m	10	6.5303 kg	0.457m	0.180m	0.185m
0 54007 15603 1		50				

Scotch® 2229 Vinyl Mastic Moisture Sealant Tape



3M™ Scotch-Seal™ 2229 125 mil Mastic Tape is designed for quick and easy insulating, padding and sealing of electrical connections of high voltage cables and accessories.

Features:

- Conformable, durable, tacky mastic.
- Easy release liner.
- Easy applications over irregular surfaces.
- Excellent moisture resistance.
- Superior self-healing characteristics after being punctured or cut.
- Temperature-rated at 176°F (80°C).

Learn More:

- 3M™ Scotch-Seal™ Mastic Tape and Pads 2229 – Data Sheet (PDF 123.1 K)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
2229 UE-2222-5334-1	1" x 10' 25mm x 3.05 m' Bulk	12	8.8 lbs 3.9916 kg	9.7" 0.246m	9.7" 0.246m	6.2" 0.157m
2229	3 ³ / ₄ " x 10' 102mm x 3.05 m Bulk	8	26.1 lbs 11.8388 kg	12.2" 0.310m	12.6" 0.320m	10.4" 0.264m



Infrared Thermometers

Infrared thermometers are highly accurate and easy-to-use, portable, and non-contact (infrared). It is an invaluable tool for monitoring operating temperatures of mechanical and electrical, plant and production equipment without removing the equipment from service.

IR-60EXPL2-1



Stores up to 100 data points allowing for easy set-up of preventative maintenance programs. For the ultimate in data logging, the IR-60EXP2-1, adds the versatility of direct computer connection for data downloads or printing. This unit can mount to a tripod, where temperature data can be measured over an extended period of time and output directly to a chart recorder, printer, or PC. Comes standard with an RS232 cable, Windows-based software, power supply, hard plastic case, wrist strap and contact probe.

Features:

- 17 point circle laser sighting.
- 50:1 distance-to-spot ratio.
- Adjustable emissivity.
- Temperature range of -25°F (-32°C) to 1600°F (870°C).
- Hi-Lo alarm for scanning.
- 110 volt power supply.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.		lbs kg	Length	Width
IR-60EXPL2-1 80-6109-2822-0 0 54007 42852 7	Infrared Thermometer, 110 V, Software	1	4.9000 lbs 2.2226 kg	15.8" 0.401m	11.9" 0.302m	4.5" 0.114m

IR-60L2



The IR-60L2 features 17 point circle laser sighting, a 60:1 distance-to-spot ratio, adjustable emissivity, a temperature range of -25°F (-32°C) to 1600°F (870°C) and a Hi alarm for scanning.

Features:

- This unit can mounted to a tripod.
- Standard with a hard plastic case and wrist strap.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.		lbs kg	Length	Width
IR-60L2 80-6109-2810-5 0 54007 42840 4	Infrared Thermometer	1	3.0000 lbs 1.3608 kg	11.0" 0.279m	9.3" 0.235m	3.5" 0.089m



Use 3M Locators to quickly and efficiently locate underground cables and markers, even years after construction or maintenance.

3M™ ScotchMark™ 1403-XR Electronic Ball Marker



This 4 inch ball shaped water utility marker is ideal for marking underground water facilities up to 5 feet deep. The 3M™ ScotchMark™ 1403-XR Electronic Ball Marker for Water Utilities contains a passive-tuned antenna, molded inside a plastic disk, which is free-floating inside a water-resistant polyethylene shell. The 4 inch Ball Marker makes the job of precisely locating underground facilities easier and faster. Less time and skill are required from the field crew, since placement is as simple as tossing the ball into the trench. Other buried markers can be disturbed by backfill dirt, or installed improperly, so that they don't stay positioned correctly.

This can cause locating problems due to erroneous readings. The 4 inch ball marker is buried directly over key underground locations. When the job requires access to the facility again, it can be located using an EMS II Marker Locator. The locator consists of a compact electronics package and a lightweight hand-held probe. The locator transmits a signal to the buried marker. The marker reflects the signal back to the locator, and its exact location is indicated with both a visual meter reading and an audible tone.

Features:

- The 4 inch ball marker's width allows the marker to be placed in a standard 4 inch trench without additional digging. Unlike stakes, flags or paint, a 4 inch ball marker cannot be inadvertently removed, or worn away by weather.
- The shell is impervious to minerals, chemicals, and temperature extremes normally found in underground plant environments.
- The 4 inch ball marker's self-leveling design insures that the marker is always in an accurate, horizontal position, regardless of how it is placed in the ground.
- The marker has a range of up to five feet (1.22 m) from marker to locator.

Learn More:

- 3M Scotchmark™ Marking and Locating Brochure – Brochure (PDF 523.4 K)
- 3M™ Scotchmark™ Electronic Ball Marker – Data Sheet (PDF 29.6 K)
- MSDS (United States)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
1403-XR 80-6300-0032-3 0 51138 71764 3	4" Ball Shape Blue	30	23.0000 lbs 10.4326 kg	21.9" 0.556m	8.9" 0.226m	13.6" 0.345m



1402-XR 4" Extended Range Ball Marker



The 1402-XR 4" Extended Range Ball Marker has a self-leveling design insuring accurate, horizontal position regardless of how it is placed in the ground and making the job of precisely locating underground power facilities easier. The ball marker contains a passive-tuned antenna, molded inside a plastic disk, which is free-floating inside a waterproof, polyethylene shell. The ball marker has a range of five feet (1.5 m).

Learn More:

- [Extended Range Ball Marker Instructions – Instructions/Manual \(PDF 493.5 K\)](#)
- [Locating and Marking Product Brochure – Brochure \(PDF 306.6 K\)](#)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
1402-XR 80-6111-6114-4 0 51138 88365 2	Range – 5', 1.5 m		22.0000 lbs 9.9790 kg	21.9" 0.556m	8.9" 0.226m	13.6" 0.345m
		30				



2273-E3TN Sheath Fault / Cable Locator

Measure and pinpoint sheath and conductor faults, locate cable depth quickly and easily with this lightweight, easy to handle unit.

Learn More:

- 3M™ Dynatel™ Advanced Cable and Fault Locator 2273 – Bulletin (PDF 195.5 K)
- 2273 Operators Guide – Instructions/Manual (PDF 366.0 K)
- Cable and Pipe Locating – Instructions/Manual (PDF 573.9 K)
- Locating and Marking Product Brochure – Brochure (PDF 306.6 K)

Product Number	Description	Packaging	Gross Weight	Case Dimensions		
3M Order Code		Inner Unit Pack	lbs	Length	Width	Height
UPC Code		Case Qty.	kg			
2273-E3TN						
80-6108-4741-2						



General purpose polyurethane, re-enterable polyurethane, insulating and epoxy resins.

E-4 Scotchcast™ Resin Pressure Gun

Resin pressure gun used to drive resin from a unipack container into splices using resin pressure technique.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
E-4 BC-1000-0075-3 0 54007 25701 1	Scotchcast™ Resin Pressure Gun	1/ea	4.0000 lbs	12.5"	8.0"	4.0"
			1.8144 kg	0.318m	0.203m	0.102m
		1/ea				



Scotchcast™ 44 Insulating Resin

Polyurethane Resins are moisture sealing and flexible resin systems. 3M™ Scotchcast™ Polyurethane Resins are designed with a low viscosity for electrical insulation when a tough yet flexible resin is desired. These resins can be used for potting or encapsulating applications.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
44 UE-2222-8337-1	Opaque, coffee-coloured two-part polyurethane resin					
44A UE-1000-8947-8	Two part, ambient temperature curing resin					
44B UE-1000-6368-9	Two part, ambient temperature curing resin					
44C UE-1000-6280-6	Two part, ambient temperature curing resin					
44D UE-2222-0352-8	Two part, ambient temperature curing resin					



Scotchcast™ 48FR Re-enterable Resin

No. 48 resin is a halogenated, flame retardant, grey/brown resin developed locally to offer balanced flexibility.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
48FR UE-5555-1111-7	Regular Size					
48FR UE-4444-5795-1	2 Liter Size					
48FR UE-4444-5796-9	4 Liter Size					



Scotchcast™ 52FR Flame Retardent Resin

52FR Resin, is specifically produced to satisfy the requirements of the mining industry where a transparent fire retardant resin is required.

Product Number	Description	Packaging	Gross Weight	Case Dimensions		
3M Order Code		Inner Unit Pack	lbs	Length	Width	Height
UPC Code		Case Qty.	kg			
52FR UE-4444-6279-5						
52FR UE-4444-6278-7	Size B					



Scotchcast™ No. 4 Insulating Resin

This 3M™ Scotchcast™ resin is a two-part epoxy insulating and encapsulating resin that is used to splice solid dielectric and oil-filled cables up to 8 kV.

Features:

- Usable for indoor and outdoor applications.
- Flash point: 149° C or higher.

Learn More:

- [Product Info for Scotchcast 4 Electrical Insulating Resins – Product Selection Guide \(PDF 7.2 K\)](#)
- [Specifications and Ordering Info Scotchcast 4 Electrical Insulat – Product Selection Guide \(PDF 4.9 K\)](#)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
4 UE-0001-6105-4 0 54007 43165	Size A 3.2 oz. (90 g)	1/box 10				
4 UE-0001-8740-6 0 54007 43166	Size B 7.4 oz. (209 g)	1/box 10				
4 UE-0001-5646-8 0 54007 43167	Size C 14.7 oz. (418 g)	1/box 10				
4 UE-0000-0645-7 0 54007 04206	Size D 22.2 oz. (630 g)	1/box 10				
4 UE-0000-0646-5 0 54007 04207	Size E 10.4 oz. (294 g)	1/box 10				



The following splice solutions can help you reduce the time, labor and cost involved in a variety of electrical cable splicing applications.

Cold Shrink Slim Splices

The 3M Slim Splice series consists of a cold shrink rubber body in an expanded state, solderless earth connection material and cable jacket replacements. The design of the splice allows installation in confined areas and the installation is quick, easy and reliable.

Paper Belted Splices

Features:

- Designed to join 3 core 6.6 and 11kV PILC belted, screened and XLPE cables.
- The TRS series can be used to join XLPE to PILC cables.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack	lbs	Length	Width	Height
		Case Qty.	kg			
11kV Splicing System						
MVPB-1 FR UE-5555-7168-1	16-50mm2 System					
MVPB-1 UE-5555-7153-3	PILC Belted 11kV 3-Core 16-50mm – 2mm					
MVPB-2 FR UE-5555-7169-9	70-120mm2 System					
MVPB-2 UE-5555-7154-1	PILC Belted 11kV 3-Core 70-120mm – 2mm					
MVPB-3 FR UE-5555-7170-7	150-300mm2 System					
MVPB-3 UE-5555-7155-8	PILC Belted 11kV 3-Core 150-300mm – 2mm					



Cold Shrink Slim Splices

Paper Screened Splices

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
11kV Splicing Kits						
MVP1 UE-5555-7125-1	PILC Screened 11kV 3-Core 16-35mm – 2mm					
MVP2 UE-5555-7124-4	PILC Screened 11kV 3-Core 50-120mm – 2mm					
MVP3 UE-5555-7129-3	50-120mm2 Kit for PILC Screened					
MVP1-FR UE-5555-7165-7	16-35mm2 System					
MVP2-FR UE-5555-7166-5	50-120mm2 System					
MVP3-FR UE-5555-7167-3	150-300mm2 System					



Cold Shrink Slim Splices

XLPE Paper Screened TRS Splices

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
11kV Splicing Kits						
MVT2 FR UE-5555-7172-3	50-120mm ² System XLPE					
MVT1 FR UE-5555-7171-5	16-35mm ² System XLPE					
MVT1 UE-5555-7150-9	16-35mm ² System XLPE/PILC					
MVT2 UE-5555-7151-7	XLPE to PILC Screened 11kV 3-Core 50-120mm – 2mm					
MVT3 FR UE-5555-7173-1	150-300mm ² System XLPE					
MVT3 UE-5555-7152-5	XLPE to PILC Screened 11kV 3-Core 150-300mm – 2mm					



Cold Shrink Slim Splices

XLPE Splices

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
11kV Splicing Kits						
MVX1 FR UE-5555-7162-4	16-35mm ² System					
MVX3 FR UE-5555-7164-0	150-300mm System					
MVX1 UE-5555-7127-7	XLPE 11kV 3-Core 16-35mm – 2mm					
MVX2 UE-5555-7126-9	XLPE 11kV 3-Core 50-120mm – 2mm					
MVX3 UE-5555-7128-5	XLPE 11kV 3-Core 150-300mm – 2mm					
MVX2 FR UE-5555-7163-2	50-120mm ² System					



Scotch® CTC 6 Colliery Trailing Cable Splicing Kits

3M pre-stretched tubes allows a unique technique for splicing flexible trailing cable.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
CTC 6 UE-2222-0091-2	Up to 1.1kV					
CTC 8 UE-2222-0379-1	Up to 1.1kV					
CTC 9 UE-2222-0380-9	Up to 1.1kV					
CTC-M8 UE-4444-5599-7	Up to 1.1kV (30mm-49mm) Includes Mastic Tape					
CTC-M9 UE-4444-5600-3	Up to 1.1kV (38mm-56mm) Includes Mastic Tape					
CTC-Super 7 UE-4444-4941-2	Up to 1.1kV (25mm-39mm)					
CTC-Super M7 UE-4444-5859-5	Up to 1.1kV (25mm-39mm) Includes Mastic Tape					



Low Voltage Resin Splices

Scotchcast™ 82 Low Voltage Splicing Kits

Use the 3M™ Scotchcast 82-A series kits to insulate and seal single conductor, unshielded cable splices through 5kV and multiple conductor cables through 1kV. Connector is not included, order separately. Each kit makes one splice.

Features:

- Cost effective method.
- Tough and moisture proof.
- Utilising a slim line mould.

Learn More:

- 3M™ Scotchcast™ Power Cable Splice Kit 82-A – Instruction Sheet (PDF 693.6 K)
- 82-A Series Power Cable Splice Kit – Instructions/Manual (PDF 191.8 K)
- Scotchcast 82-A Series Selection – Product Selection Guide (PDF 11.4 K)
- 3M™ Scotchcast™ Power Cable Splice Kit 82-A – Instruction Sheet (PDF 693.6 K)
- MSDS (United States)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
82A1 UE-0001-5642-7 0 54007 25024 1	Up to 2 AWG, 0-1000V					
82A2 UE-0001-5643-5 0 54007 25032 6	2-3/0 AWG, 0-1000V					
82A3 UE-0001-5644-3 0 54007 25040 1	3/0 AWG – 400 kcmil, 0-1000V					



Low Voltage Resin Splices

Scotchcast™ 91-A Low Voltage Splicing Kits

Inline resin splicing kits with polyurethane resin for armoured cables.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
91A1 UE-0001-8943-6	4-10mm2					
91A2 UE-0001-8931-1	16-25mm2					
91A3 UE-0001-8942-8	35-50mm2					
91A4 UE-0001-8945-1	70mm2					
91A5 UE-0001-8944-4	120-150mm2					
91A6 UE-1000-8484-2	185-240mm2					



Low Voltage Resin Splices

Scotchcast™ 91-AW Inline Resin Splicing Kits

Inline splicing kits with flame retardent moulds and flame retardant non halogenated clear epoxy resin No. 52FR.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
91A4.5 UE-4444-5861-1	KIT with polyurethane Resin					
91A4.5W UE-4444-5862-9	Kit with flame retardant clear epoxy resin					
91A1W UE-4444-4605-3	4-10mm ²					
91A2W UE-4444-4606-1	16-25mm					
91A3W UE-4444-4607-9	35-50mm ²					
91A5W UE-4444-4609-5	120-150mm ²					
91A6W UE-4444-4611-1	185-240mm ²					



Low Voltage Resin Splices

Scotchcast™ 92 Splicing Kits

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
92A11-6 UE-5555-1085-3	Kit XLPE to PILC, RPS method						
92AA11X6 UE-2222-6648-3	Kits for XLPE Cable with 460M polyurethane resin kits						
92-A5GF-S UE-5555-6469-4	Kit for PILC Cable 16-50mm2 for Gold Fields						
92-A5 6 UE-2222-0078-9	Kit for PILC Cable 16-50mm2 Utilises poured resin method						



Low Voltage Resin Splices

Scotchcast™ T-Joint Splices

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions Length Width Height		
91T2 UE-0000-0661-4	Low Voltage T-Joint Splice					
91T3 UE-1000-0133-3	Low Voltage T-Joint Splice					



Scotchcast™ 11kV Splicing Kits

Product Number	Description	Packaging	Gross Weight	Case Dimensions		
3M Order Code		Inner Unit Pack	lbs	Length	Width	Height
UPC Code		Case Qty.	kg			
92A11-6	Kit XLPE to PILC, RPS method					
UE-2222-5783-9						



Scotchcast™ TRS Splicing Kits

The Scotchcast Transition Splicing System has been designed to splice cross-linked polyethylene insulated cable to paper-insulated lead-covered cable with long term reliability.

Product Number 3M Order Code UPC Code	Description	Packaging		Gross Weight		Case Dimensions		
		Inner Unit Pack	Case Qty.	lbs	kg	Length	Width	Height
TRS-2 UE-2222-2682-6	11kV Splicing Kit							
TRS-1 UE-2222-2410-2	Splicing Kit							



Scotch® – Tex Tape Splicing Kits

Scotch® – Tex Tape 11kV XPLE

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
TEX-1 UE-2222-5689-8	11 kV XLPE 16-35mm2					
TEX-2 UE-2222-5688-0	11 kV XLPE 50-95mm2					
TEX-3 UE-2222-5687-2	11 kV XLPE 120-185mm2					

Scotch® – Tex Tape 22kV 3 core XLPE cable

These kits utilise an all-tape method of splicing 22kV cross-linked polyethylene insulated cable.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
TEX-22-3M UE-5555-1049-9	22kV 3 core XLPE Cable					
TEX-22-1M UE-3333-8852-3	22kV 3 core XLPE Cable (35-70mm2)					
TEX-22-2M UE-4444-4564-2	22kV 3 core XLPE Cable (95-150mm2)					

Scotch® – Tex Tape 33kV core XLPE cable

These kits are all-tape method and 33kV rated XLPE insulated cable.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
TEX 33-3M UE-3333-8859-8	33kV core XPLE Cable 185-300mm2					
TEX 33-1M UE-4444-4565-9	33kV core XPLE Cable 35-70mm2					
TEX33-2M UE-4444-4566-7	33kV core XPLE Cable 95-150mm2					



Innovative solutions to effectively manage electrical power and voice, video and data networks.

3M™ 2552SA Scotch Box

The 3M 2552SA offers excellent fibre management in an affordable box with an attractive, low profile design able to be wall mounted anywhere in your LAN network. The box is also suitable for housing consolidation points.

Features:

- The boxes have a unique sliding lid to provide easy access to couplings and fibre management.
- Interchangeable connector panels are available to accommodate: ST simplex & duplex couplings, SC duplex couplings, FC flanged couplings, FC “D” mount couplings, and the Volition™ VF-45™ Socket.
- Fibres can either be directly terminated or spliced to pigtails using either Fibrlok™ or fusion splicing. The 2552SA is constructed from flame retardant material.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
2552SA UE-5555-6817-4						



2529 Fibrlok II



The Fibrlok™ II 2529 Universal Optical Fiber Splice was designed for splicing any combination of 250 to 900 micron coated fibers. The universal optical fiber splice is fully compatible with the original Fibrlok™ and Fibrlok™ II optical fiber splices, splice trays and organizers. The Fibrlok universal splice utilizes the same assembly tool and easy strip, clean, cleave and splice procedure as the original splices, minimizing the need for additional product training.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
2529 Fibrlok II 80-6107-5589-6 0 54007 92202 5		60	0.1000 lbs 0.0454 kg	6.6" 0.168m	4.3" 0.109m	4.0" 0.102m



3M terminations offer easy installation and reliable performance when terminating shielded and non shielded, single and three-conductor, and indoor and outdoor medium voltage cables.

Cold Shrink 11kV 3 Core Terminations

PILC Screened Terminations – Indoor

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
3002B UE-5555-1154-7	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 50-95mm2, with earthing kit – Indoor					
3003B UE-5555-1155-4	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 120-150mm2, with earthing kit – Indoor					
3004B UE-5555-1156-2	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 185mm2, with earthing kit – Indoor					

PILC Screened Terminations – Outdoor

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
3001EB UE-5555-6812-5	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 16-35mm2 – Outdoor					
3002EB UE-5555-1146-3	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 50-95mm2 – Outdoor					
3003EB UE-5555-1147-1	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 240-300mm2 – Outdoor					



Cold Shrink 11kV 3 Core Terminations

PILC/MIND Belted Terminations – Indoor

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
2001B UE-5555-1141-4	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 16-50mm ² – Indoor					
2002B UE-5555-1142-2	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 70-95mm ² – Indoor					
2003B UE-5555-1143-0	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 120-185mm ² – Indoor					
2004B UE-5555-1144-8	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 240-300mm ² – Indoor					

PILC/MIND Belted Terminations – Outdoor

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
2001EB UE-5555-1149-7	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 16-50mm ² – Outdoor					
2002EB UE-5555-1150-5	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 70-95mm ² – Outdoor					
2003EB UE-5555-1151-3	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 120-185mm ² – Outdoor					
2004EB UE-5555-1152-1	Kit for 3 core PILC/MIND Paper Insulated Screened Cable 240-300mm ² – Outdoor					



Cold Shrink 11kV 3 Core Terminations

XLPE Terminations – Indoor

Suitable for terminating cross-linked polyethylene and PVC insulated cables up to 11kV in indoor high contaminated areas.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
1001LCB UE-5555-6646-7	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE 11KV 16mm2-35mm3 Indoor					
1002LCB UE-5555-6652-5	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE 11KV 50mm2-95mm3 Indoor					
1003LCB UE-5555-6658-2	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE 11KV 120mm2-240mm3 Indoor					
1004LCB UE-5555-6845-5	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE, 3 core, 11KV 240-300mm2 Indoor					

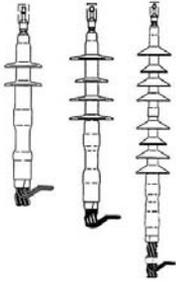
XLPE Terminations – Outdoor

Suitable for terminating cross-linked polyethylene and PVC insulated cables up to 11kV in outdoor high contaminated areas.

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
1001HCB UE-5555-6644-2	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE 11KV 16mm2-35mm3 Outdoor					
1002HCB UE-5555-6650-9	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE 11KV 50mm2 -95mm3 Outdoor					
1003HCB UE-5555-6656-6	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE 11KV 120mm2-240mm3 Outdoor					
1004HCB UE-5555-6844-8	Kit for 3 core PILC/MIND Paper Insulated Screened Cable Kit XLPE, 3 Core, 11KV 240-300mm2 Outdoor					



Cold Shrink 11kV Quick Term II Single Core Terminations



3M™ Cold Shrink QT-II terminations provide easy installation for a broad spectrum of indoor and outdoor applications. The Cold Shrink QT-II termination is based on specially formulated, track-resistant silicone rubber insulators with built-in Hi-K stress relief. The insulators are pre-stretched around a spiral -wound, plastic core. When the terminator is slipped over a properly prepared cable and the core is removed, the terminator immediately shrinks to the cable's dimensions. The result is a void-free, flexible seal without special tools or torches.

Outdoor Termination Kits

Features:

- Void-free, flexible seal.
- No special tools or torches.
- For Jacketed Concentric Neutral Cable.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight lbs kg	Case Dimensions		
				Length	Width	Height
5641 80-6101-5493-4 0 54007 11963 0	15 kV, 0.637-1.12 in (16-28mm) O.D. 4 skirt, 1 termination per kit For Jacketed Concentric Neutral Cables.	1	0.7400 lbs 0.3357 kg	14.8" 0.376m	3.7" 0.094m	3.5" 0.089m
7622-S-2 80-6108-3970-8 0 54007 42170 2	BIL rating – 110 kV for 5, 8.7 15 kV cables 0.64-1.08 in (16,3-27,4mm) O.D. 2 skirt, 3 terminations per kit	1	3.0000 lbs 1.3608 kg	14.4" 0.366m	8.4" 0.213m	5.8" 0.147m
7692-S-4 80-6109-2011-0 0 54007 42211 2	BIL rating – 150 kV for 5, 8.7, 15 & 25/28 kV cables 0.64-1.08 in (16,3-27,4mm) O.D. 4 skirt, 3 terminations per kit	1	3.5000 lbs 1.5876 kg	14.4" 0.366m	8.4" 0.213m	5.8" 0.147m
7693-S-4 80-6109-2012-8 0 54007 42212 9	BIL rating – 150 kV for 5, 8.7, 15 & 25/28 kV cables 0.72-1.29 in (18,3-32,8mm) O.D. 4 skirt, 3 terminations per kit	1	3.6400 lbs 1.6511 kg	14.4" 0.366m	8.4" 0.213m	5.8" 0.147m
7694-S-4 80-6109-2013-6 0 54007 42213 6	BIL rating – 150 kV for 5, 8.7, 15 & 25/28 kV cables 0.83-1.53 in (38,9-58,9mm) O.D. 4 skirt, 3 terminations per kit	1	4.3000 lbs 1.9504 kg	14.4" 0.366m	8.4" 0.213m	5.8" 0.147m
7696-S-4 80-6109-2015-1 0 54007 42215 0	BIL rating – 150 kV for 5, 8.7, 15 & 25/28 kV cables 1.53-2.32 in (21,1-38,9mm) O.D. 4 skirt, 3 terminations per kit	1	7.5000 lbs 3.4019 kg	15.7" 0.399m	8.5" 0.216m	8.4" 0.213m
7684-S-8 80-6109-2269-4 0 54007 42466 6	BIL rating – 150 kV for 5, 8.7, 15, 25/28 & 35 kV cables 0.83-1.53 in (38,9-58,9mm) O.D. 8 skirt, 3 terminations per kit	1	6.3500 lbs 2.8803 kg	25.7" 0.653m	7.6" 0.194m	7.7" 0.196m
7685-S-8 80-6109-2270-2 0 54007 42467 3	BIL rating – 150 kV for 5, 8.7, 15, 25/28 & 35 kV cables 1.05-1.80 in (26,7-45,7mm) O.D. 8 skirt, 3 terminations per kit	1	8.5000 lbs 3.8555 kg	25.7" 0.653m	7.6" 0.194m	7.7" 0.196m



Cold Shrink 11kV Quick Term II Single Core Terminations

Indoor Termination Kits

These kits are one-piece, 5 to 15 kV, Class 3 terminations, designed for Concentric Neutral and Jacketed Concentric Neutral Cable. A Hi-K stress control tube insulated with a track-resistant silicone rubber tube are pre-stretched together onto a removable Meets IEEE Standard 48-1990.

Features:

- Will terminate CN or JCN cables.
- Each kit makes one termination.

Learn More:

- 3M QTII Kits 5671 & 5672 – Data Sheet (PDF 84.0 K)
- QT II 5670-L, 5671-L, 5672-L OBSOLETE JUN 05 – Instruction Sheet (PDF 313.4 K)
- MSDS (United States)

Product Number 3M Order Code UPC Code	Description	Packaging	Gross Weight	Case Dimensions		
		Inner Unit Pack Case Qty.	lbs kg	Length	Width	Height
5671-2 80-6101-2362-4 0 54007 33798 0	2 AWG-250 kcmil	1	2.6000 lbs 1.1793 kg	11.8" 0.300m	7.9" 0.201m	9.4" 0.239m
5672 80-6101-2363-2 0 54007 33799 7	250-1000 kcmil	10	3.8000 lbs 1.7237 kg	11.6" 0.295m	8.4" 0.213m	10.6" 0.269m



Cold Shrink 33kV 3 Core Terminations

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
6001 HCB UE-5555-6905-7	HCB 35-50mm – 2						
6002 HCB UE-5555-6907-3	HCB 70-240mm – 2						
6002 LCB UE-5555-6908-1	LCB 70-240mm – 2						



Cold Shrink Silicone Rubber Indoor Terminations

QTIII Termination Kits



3M™ Cold Shrink QT-III terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built in Hi-K stress control and silicone sealing compounds means it has UV stability and track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination.

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
7622-T-110 80-6108-3409-7 0 54007 41760 6	Non-Skirted, 0.64-1.08" (16,3-27,4mm) O.D. BIL rating of 110 kV for 5, 8.7 and 15 kV cables 3 terminations per kit	1	3.0390 lbs 1.3785 kg		14.4" 0.366m	8.4" 0.213m	5.8" 0.147m
7625-T-110 80-6108-3411-3 0 54007 41762 0	Non-Skirted, 1.05-1.80" (26,7-45,7mm) O.D. BIL rating of 110 kV for 5, 8.7 and 15 kV cables 3 terminations per kit	1	5.2000 lbs 2.3587 kg		17.8" 0.452m	8.1" 0.206m	7.0" 0.178m
7626-T-110 80-6108-3412-1 0 54007 41763 7	Non-Skirted, 1.53-2.32" (38,9-58,9mm) O.D. BIL rating of 110 kV for 5, 8.7 and 15 kV cables 3 terminations per kit	1	7.0000 lbs 3.1751 kg		14.8" 0.376m	12.3" 0.312m	5.7" 0.145m



Scotch® Tape 11kV Terminations

XLPE Terminations – Indoor

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
KP-1 UE-0001-5961-1	XLPE and PVC cable 16-70mm2 Indoor						
KP-2 UE-0001-5962-9	XLPE and PVC cable 95-120mm2 Indoor						
KP-3 UE-0001-5963-7	XLPE and PVC cable 150mm2 Indoor						
KP-4 UE-0001-5964-5	XLPE and PVC cable 185mm2 Indoor						



Scotch® Tape 11kV Terminations

XLPE Terminations – Outdoor

Product Number 3M Order Code UPC Code	Description	Packaging Inner Unit Pack Case Qty.	Gross Weight		Case Dimensions		
			lbs	kg	Length	Width	Height
KE-1 UE-0001-5957-9	XLPE and PVC Cable 16-70mm2 Outdoor						
KE-2 UE-0001-5958-7	XLPE and PVC Cable 95-120mm2 Outdoor						
KE-4 UE-0001-5960-3	XLPE and PVC Cable 185mm2 Outdoor						
KE-3 UE-0001-5959-5	XLPE and PVC Cable 150mm2 Outdoor						

Head Office
146A Kelvin Drive
Woodmead, Sandton, 2196
Private Bag X926
Rivonia 2128
Tel: 27 11 806-2000
Fax: 27 11 806-2388

Cape Town
Unit 3, Riverside Place
Tyger Waterfront
(South Gate entrance)
Carl Cronje Drive
Bellville
7530
P O Box 5140
Tyger Valley
7536
Tel: 27 21 943-1400
Fax: 27 21 914-0638

Durban
Viewz @ Westway
11 The Boulevard
Westway Office Park
Westville
3630
P O Box 1022
Westville
3630
Tel: 27 31 265-1200
Fax: 27 31 265-1270

East London
1 Military Road
Westbank
East London
5201
P O Box 13293
Vincent
5217
Tel: 27 43 731-1036
Fax: 27 43 731-1037

Port Elizabeth
First Bowring House
Ground Floor
E2872 Ring Road
Greenacres
6045
P O Box 35109
Newton Park
6055
Tel: 27 41 363-6060
Fax: 27 41 363-4835