ELLIOTT ELECTRIC SUPPLY
We Deliver...Lower Cost, Quality Products, & Personal Service
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# 70 SILICONE RUBBER ELEC TAPE, 1" X 30', SKY BL/GY

*MINNESOTA MINING (3M)*

| | |
|---|---|
| Catalog Number | 70 |
| Manufacturer | MINNESOTA MINING (3M) |
| Description | Electrical Tape, Sky Blue/Gray, Inorganic Silicone Rubber Adhesive Material, 12 lb/in Tensile Strength, 450 % Elongation at Break, +356 °F Operating Temperature, 30 ft Length, 1 in Width, 12 mil Thickness, 5 yr Shelf Life, 0.24 lb |
| Weight per unit | 0.2360 (lbs/each) |
| Product Category | Markers & Marking Tapes - Tape |

## Descriptions

| | |
|---|---|
| Description | SILICONE RUBBER ELEC TAPE, 1" X 30', SKY BL/GY |
| Features | Reach for Scotch® Tape 70 Electrical Tape when you need strong, reliable adhesion. It is crafted with a silicone adhesive that provides flexibility and conforms for varying surfaces, making it a great supply for multiple installation jobs. This RoHS 2011/65/EU Compliant tape is designed for use on high-voltage cables as an overwrap to provide resistance from tracking. Scotch Tape 70 reduces the probability for dangerous arcs. |
| Long Description | Scotch® Tape 70 is a 12 mil thick, premium grade, electrical tape with silicone rubber backing. This tape is used as a base tape layer for easy re enter connections. It withstands temperatures up to 356 °F (180 °C). |
| Product Type | Scotch® Self-Fusing Silicone Rubber Electrical Tape 70 |
| Special Features | high-temperature, arc-and track-resistant tape |
| Extra Long Description | 3M 7000006225 Scotch® Self-Fusing S |

## Manufacturer Information

| | |
|---|---|
| Brand | Scotch |
| | 3M Electrical Products |
| GTIN | 00051128572610 |
| Manufacturers Part Number | 701X30FT |
| | 7000006225 |
| UPC | 054007 |

## Taxonomies, Classifications, and Categories

| | |
|---|---|
| Category Description | TAPE |
| Type | Rubber Insulating and Splicing |

## Packaging

| | |
|---|---|
| Carton | 1 |
| Package | 24 |
| Weight Per Each | 0.2360 (lbs/each) |

Science.
Applied to Life.™

3M Electrical Markets Division

Rubber, Mastic and Specialty Tapes Application Guide

# Tapes to complete your toolkit



# Table of Contents


**Insulating and Splicing ..... 4**

Scotch® Linerless Rubber Splicing Tape 130C ..... 4

Scotch® Rubber Splicing Tape 23 ..... 7

Scotch® Self-Fusing Silicone Rubber Electrical Tape 70 and 70 HDT ..... 8

Scotch® Varnished Cambric Tape 2510 and 2520 ..... 10

Scotch® Semi-Conducting Tape 13 ..... 13

3M™ Temflex™ Rubber Splicing Tape 2155 ..... 14

**Sealing, Padding, and Shaping ..... 16**

Scotch® Vinyl Mastic Tape 2200 and 2210 ..... 16

Scotch® Electrical Moisture Sealant Pad 06149 and Roll 06147 ..... 16

3M™ Scotch-Seal™ Mastic Tape 2229 ..... 18

3M™ Scotchfil™ Electrical Insulation Putty ..... 21

Scotch® Rubber Mastic Tape 2228 ..... 22

**Fire Retardant & Arc Proofing ..... 25**

Scotch® Fire Retardant Electric Arc Proofing Tape 77 ..... 25

**Jacket Repairing ..... 26**

Scotch® Cable Jacket Repair Tape 2234 ..... 26

Scotch® Mining Tape 31 ..... 26

**Bundling and Harnessing ..... 28**

3M™ Temflex™ Friction Tape 1755 ..... 28

Scotch® Electrician's Duct Tape 2000 ..... 31

# Insulating & Splicing

You've built a reputation on standout craftsmanship. So whether it's low-voltage wires or cables carrying up to 69 kV, making a secure cable connection is crucial. Precision tapes for insulating and splicing from 3M can help reinforce your work for years of worry-free and maintenance-free service.



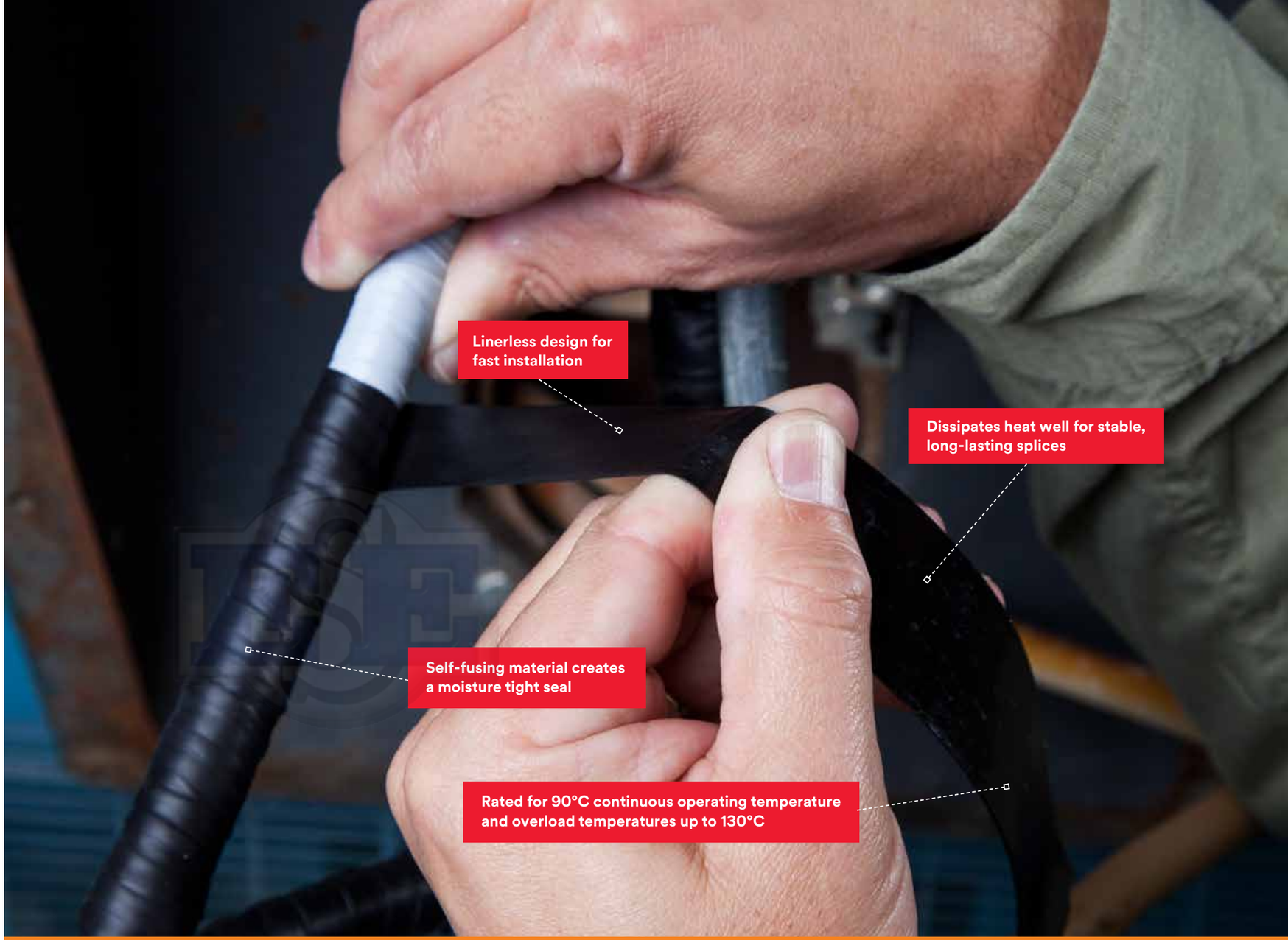


## Scotch® Linerless Rubber Splicing Tape 130C

### Applications

- Insulate electrical connections up to 69 kV
- Seal out moisture from low- and medium-voltage connections
- Insulate bus bars
- Insulate motor leads
- End seal high-voltage cables
- Highly conformable for irregularly shaped objects

High Voltage | Linerless | Sealing | Made in USA




## Stable & Durable for years of maintenance-free service.



Self-fusing material creates a moisture tight seal

Rated for 90°C continuous operating temperature and overload temperatures up to 130°C

Removable liner protects from dust and dirt during installation

# Insulating & Splicing

## Scotch® Rubber Splicing Tape 23

### Applications

- Insulate electrical connections up to 69 kV
- Seal out moisture from low- and medium-voltage connections
- Insulate bus bars
- Insulate motor leads
- End seal high-voltage cables





High Voltage Sealing





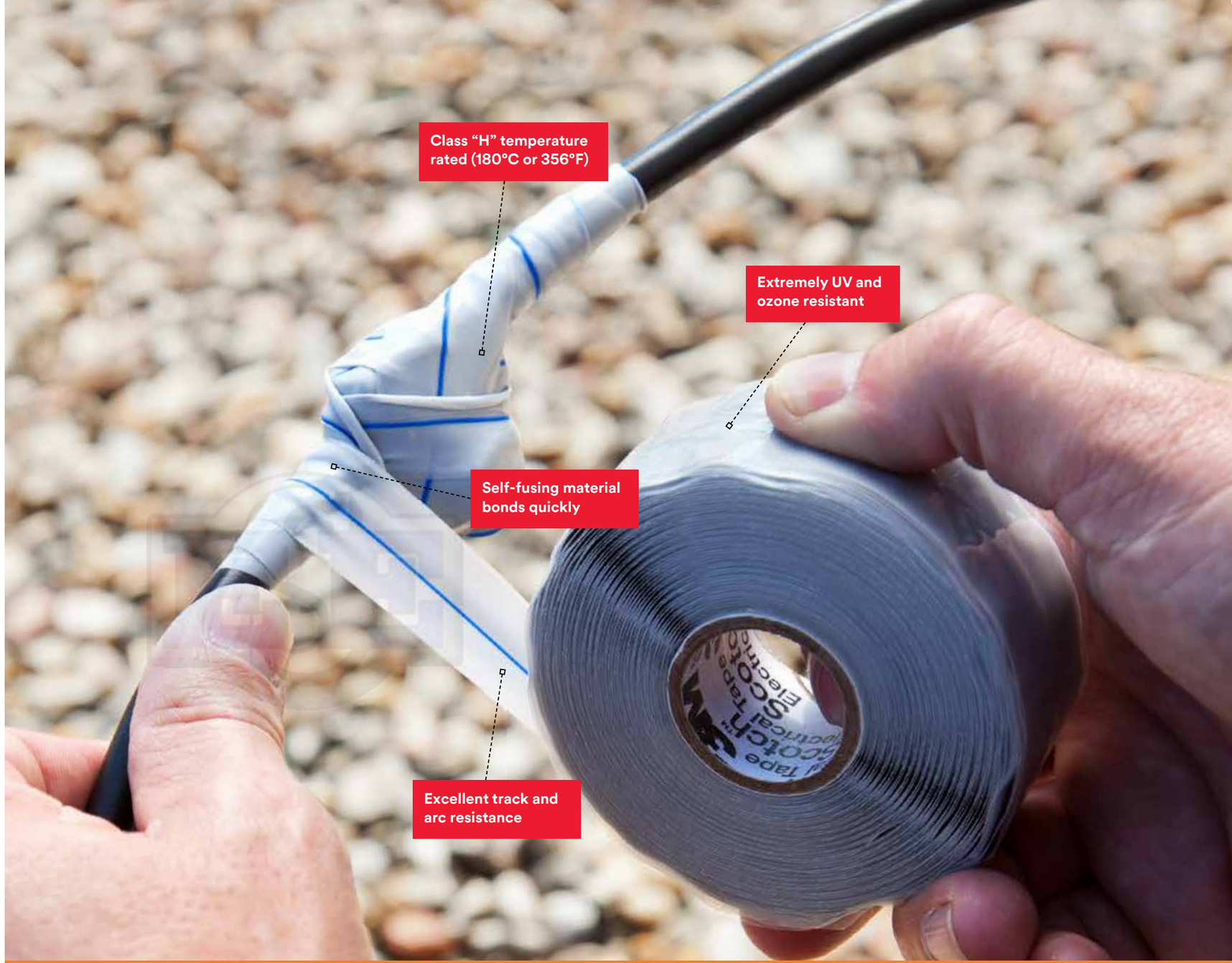
## Scotch® Self-Fusing Silicone Rubber Electrical Tape 70 and 70 HDT

### Applications

- Pre-wrap low- and medium-voltage connections for clean re-entry, (e.g. motor lead connections or split-bolt connectors)
- Use as an overwrap for protection of high-voltage cables against arcing and tracking

Low Voltage

Clean re-entry




# Insulating & Splicing





## Scotch® Varnished Cambric Tape 2510* and 2520

### Applications

- Insulate electrical connections up to 600 V
- Pre-wrap low-voltage connections for clean re-entry, (e.g. split bolt connections)

Low Voltage | Mechanical Protection | Clean re-entry




# Insulating & Splicing

Self-fusing material bonds quickly

Removable liner protects from dust and dirt during installation

Retains conductivity with stretch

Stable at elevated temperatures up to 130°C

# Insulating & Splicing

## Scotch® Semi-Conducting Tape 13

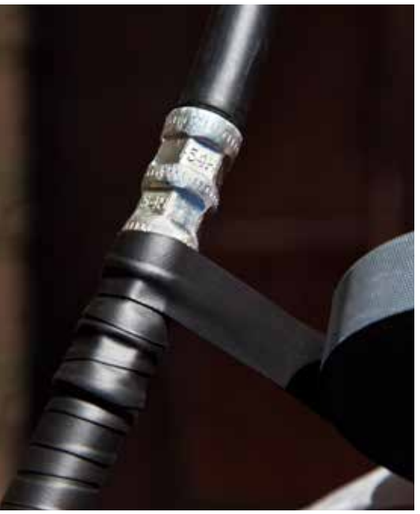
### Applications

- Replace semi-conducting layer beneath metallic shield in various medium-voltage cable repairs and splices
- Electrically round-out high-voltage connectors and bond to insulating materials to minimize electrical stresses
- Round-out bolted connections on insulated bus bars
- Provide shielding for cable splices on solid dielectric insulated power cables
- Not to be used for electrical insulation!







## 3M™ Temflex™ Rubber Splicing Tape 2155

### Applications

- Insulate electrical connections up to 600 V
- Seal out moisture from low-voltage connections
- Insulate service drops
- Insulate lighting connections

Low Voltage  Sealing



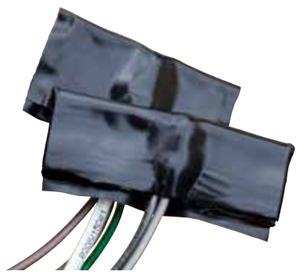



# Insulating & Splicing

# Sealing, Padding & Shaping

The elements will put your connections to the test. Fight back with 3M and Scotch-brand Mastic Tapes. Engineered to keep water out, you can use them to pad sharp edges, and make smooth transitions over irregular shapes. Plus, the extra, hand-moldable, padding stands up to environmental vibrations.





## Scotch® Vinyl Mastic Pad 2200 and Mastic Roll 2210

## Scotch® Electrical Moisture Sealant Pad 06149 and Roll 06147

### Applications

- Seal-out moisture and insulate low-voltage connections in one easy step
- Pad and insulate bolted connections and service drops
- Insulate lighting connections
- Protect grounding rod connections
- End seal cables
- Scotch® Pad 2200 and Roll 2210 offer a thicker mastic layer for complex shapes and robust applications requiring more padding in temperatures down to -18°C
- Scotch® Pad 06149 and Roll 06147 offer moisture protection in a thinner profile for smaller, light-duty connections and applications temperatures down to 0°C



Low Voltage | Sealing | Padding | Mechanical Protection | Made in USA




## An excellent choice when you need to create watertight connections.







# 3M™ Scotch-Seal™ Mastic Tape 2229

## Applications

- Electrically insulate and seal-out moisture from low-voltage connections
- Seal high-voltage cable splice and termination accessories
- Pad sharp edges of a low-voltage connection to prevent cut-through of vinyl tape overwrap
- Smooth transitions of irregular shapes
- End seal cables




# Sealing, Padding & Shaping



Sealing | Padding | Made in USA

Easy to mold and shape by hand down to 32°F (0°C)

Excellent aging properties - will not dry out

Noncorrosive, synthetic rubber

# Sealing, Padding & Shaping

## 3M™ Scotchfil™ Electrical Insulation Putty

### Applications

- Build-up cable splices and fill out major irregularities and voids in low-voltage splices to create a uniform base for further taping
- Smooth bus bar irregularities, round out connections, and pad sharp edges
- Create a moisture seal at ground wire exit points in high-voltage splices
- Create a moisture seal in multiconductor cable connections





Low Voltage | Sealing | Padding | Made in USA

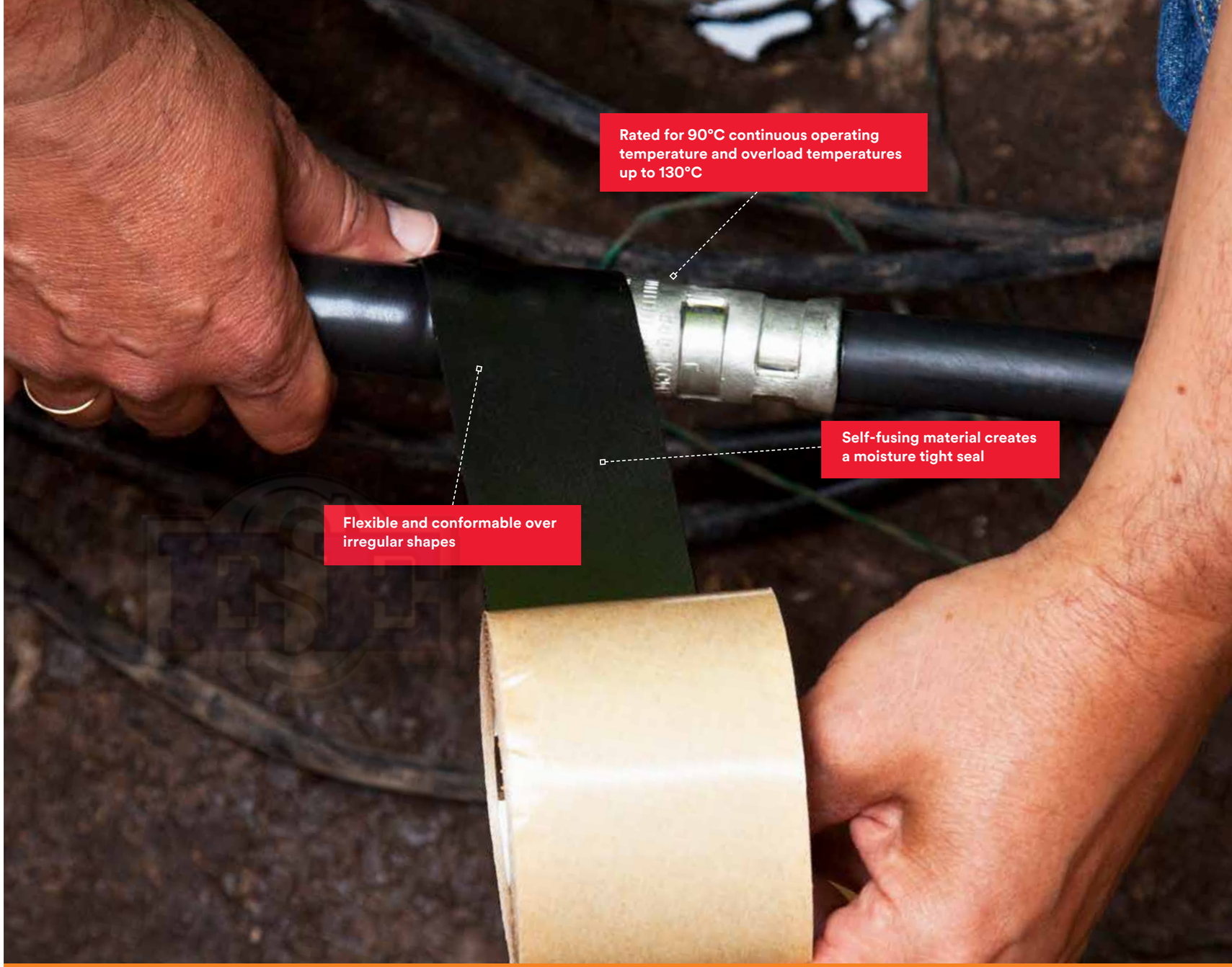





## Scotch® Rubber Mastic Tape 2228

### Applications

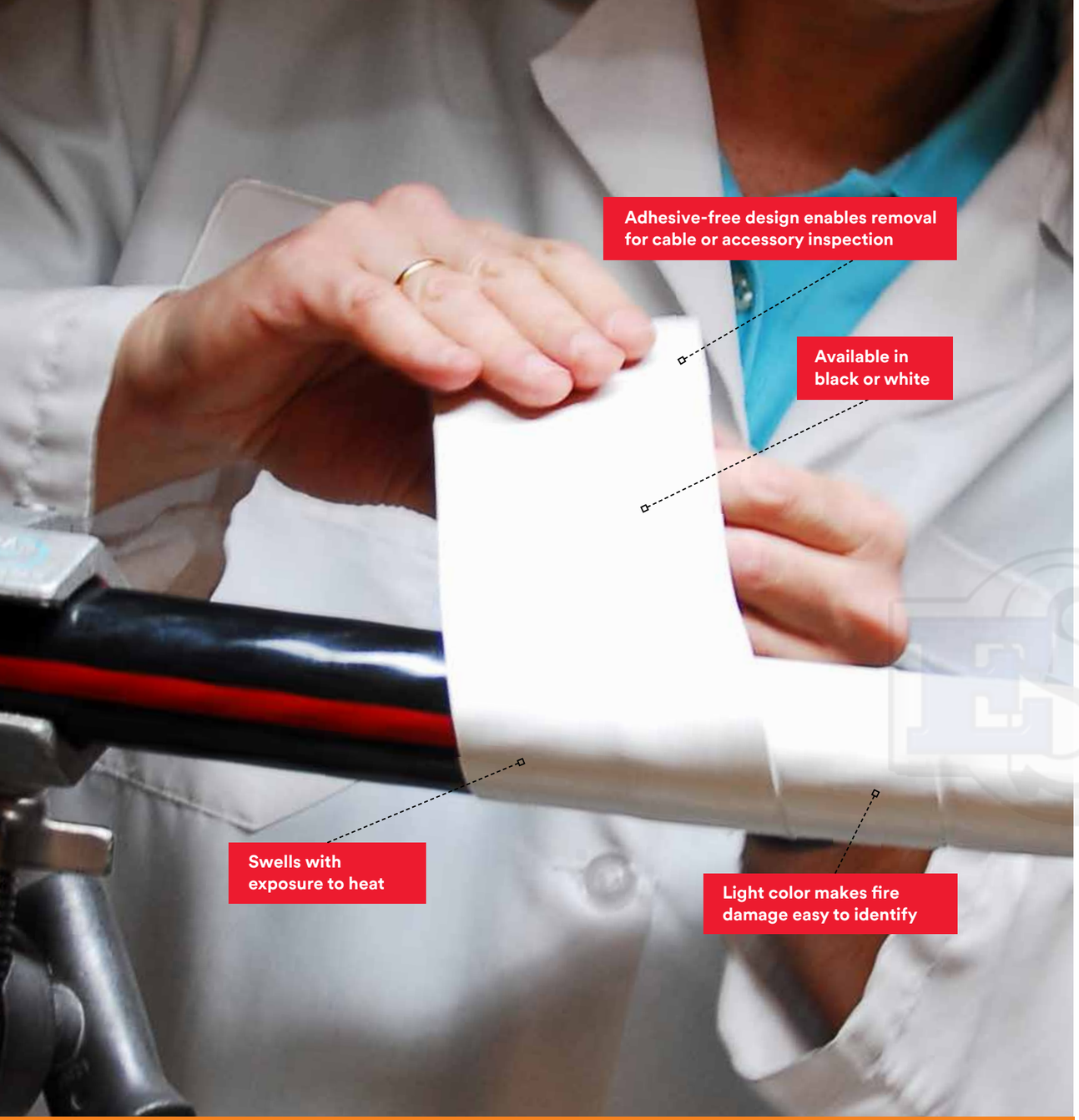
- Primary electrical insulation for bus bar connections up to 35 kV
- Insulate electrical connections up to 1,000 V
- Seal-out moisture from connections




# Sealing, Padding & Shaping



High Voltage | Sealing | Padding | Made in USA




# Insurance for your cables.

# Fire Retardant & Arc Proofing

You can plan ahead for the best outcome in fire and arcing scenarios. Protect your low- and medium voltage cables and accessories with 3M's arc proofing and fire retarding tapes. When the heat rises, the tape expands putting a thick layer of char between the flames and your cable to help minimize potential damage.

## Scotch® Fire Retardant Electric Arc Proofing Tape 77

### Applications

- Protect cables from electric arcs and fires
- Use on energy cables running in close proximity to other energy cables, such as:
  - Cables in substations, manholes, and vaults
  - Critical feeder cables and nearby branch circuits
  - Energy cables in buildings that cannot afford to lose power, (e.g. hospitals, military bases, server farms, etc.)
  - Energy cables in cable trays

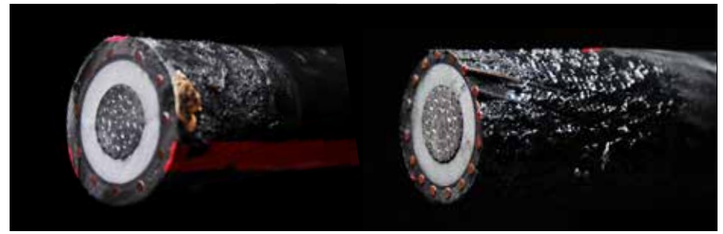
### Watch the video!

## Cables During and After the Consolidated Edison Flame Test



Cable Protected with Scotch® Fire Retardant Electric Arc Proofing Tape 77 During Test

Unprotected Cable During Test



Cable Protected with Scotch® Fire Retardant Electric Arc Proofing Tape 77 after test

Unprotected Cable after test

Mechanical Protection | Clean re-entry | Made in USA

# Jacket Repairing

Shield your work from environmental wear and tear. When wrapped over a splice or damaged cable jacket, 3M jacket repairing tapes offer layered defense against external hazards. Vulcanized CSM rubber on the outside resists abrasion and chemical damage, while the inner layer includes flame-retardant mastic to keep moisture away and provide excellent adhesion to a variety of cable jacket materials.



## Scotch® Cable Jacket Repair Tape 2234
## Scotch® Mining Tape 31

### Applications

- Repair sections of damaged cable jacket
- Seal out moisture and environmental elements
- Overwrap a splice for added mechanical protection
- Scotch® Mining Tape 31 is MSHA approved for cable repair






## Extremely tough tape for your extremely rough environments.





Sealing | Padding | Mechanical Protection | Made in USA

# Bundling & Harnessing

You never know what you're going to find encounter on a project site. Be prepared to take on any challenge with 3M bundling and harnessing tapes that bind, hold and organize wires. Bundling tapes also offer excellent mechanical protection and can act like a second set of hands that steady wires in place.





## 3M™ Temflex™ Friction Tape 1755

### Applications

- Bundle and bind wires and cables
- Create wire harnesses
- Wrap tool handles for better grip




## Designed to make your job easier.



Low-Voltage | Mechanical Protection | Bundling




# Bundling & Harnessing Tapes



## Scotch® Electrician's Duct Tape 2000

### Applications

- Bundle and bind wires and cables



Mechanical Protection

Bundling

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80-6016-0763-5 (0245)xx-1