Tapes to complete your toolkit
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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

Linerless design for fast installation

Dissipates heat well for stable, long-lasting splices

Self-fusing material creates a moisture tight seal

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

Stable & Durable for years of maintenance-free service.
Removable liner protects from dust and dirt during installation

Self-fusing material creates a moisture tight seal

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

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

Insulating & Splicing
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

Class "H" temperature rated (180°C or 356°F)

Extremely UV and ozone resistant

Self-fusing material bonds quickly

Excellent track and arc resistance

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)

- Temperature resistant up to 105°C
- Tough and durable backing provides excellent tear, puncture, and cut-through resistance
- *Available without adhesive for clean removal

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!

Self-fusing material bonds quickly
Removable liner protects from dust and dirt during installation
Stable at elevated temperatures up to 130°C
Retains conductivity with stretch

Insulating & Splicing
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

Rated for temperatures up to 80°C

Self-fusing material creates a moisture-tight seal

Removable liner protects from dust and dirt during installation
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

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

Material flows to cover punctures or cuts

Excellent moisture sealing capabilities

Aggressive mastic provides excellent bond
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

Sealing, Padding & Shaping

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

Excellent aging properties - will not dry out

Noncorrosive, synthetic rubber

Made in USA

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

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

Self-fusing material creates a moisture tight seal

Flexible and conformable over irregular shapes

Sealing, Padding & Shaping
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

Cables During and After the Consolidated Edison Flame Test

Watch the video!
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

Ultra tough vulcanized CSM rubber
UL recognized for temperatures up to 105°C
Flame retardant
Seal out moisture

Extremely tough tape for your extremely rough environments.
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

High tensile strength and low stretch

Excellent abrasion resistance

Excellent resistance to salt water

Designed to make your job easier.
Scotch® Electrician’s Duct Tape 2000

Applications
- Bundle and bind wires and cables

Bundling & Harnessing Tapes

Water resistant

Strong yet easy to tear by hand
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