

3M Science.
Applied to Life.™



BEST SELLER ZONE

How to repair cable jackets in the field with 3M Electrical Tapes.

3M Cable Jacket Repair Solutions

3M Electrical Tapes are a robust solution for repairing cable jacket damages. Our tape repair procedures fit PVC and rubber cables for low and medium voltage. They're convenient for work in confined spaces and are a durable and cost-effective solution for both temporary and permanent cable maintenance.



Repairing minor damages

For repairing surface damages like scratches and grooves from sharp edges, please follow the steps below:

- Clean surface with a solvent and sandpaper. We recommend using 3M™ Cable Preparation Kit CC-3 or Scotch® 1626 Degreasing and Cleaning Spray.
- Half-lap Scotch® Cable Jacket Repair Tape 2234 over the damaged jacket area.
- Overwrap each end with Scotch® Super 33+™ Vinyl Electrical Tape. This tape will add radial pressure to ensure the best adhesion and sealing.

Three alternative cable jacket repair solutions for minor damage repairs:

Solution

Why



Apply Scotch® Rubber Mastic Tape 2228 over scratch. Cover damaged repair length with Scotch® Super 33+™ Vinyl Electrical Tape for mechanical strength.

For a flexible cost-effective solution to minor jacket repair.



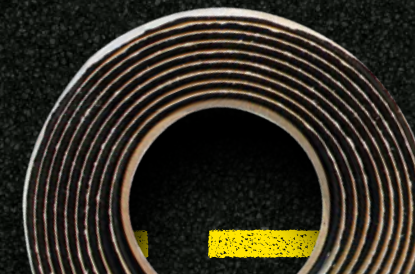
Apply Scotch® Rubber Mastic Tape 2228 over the scratch. Cover damaged repair length with Scotch® Heavy Duty Vinyl Electrical Tape 22 for enhanced mechanical strength.

For a robust solution in heavy-duty cable environments.



Apply generously Scotch® Mining Tape 31 over the damaged repair length.

Tough, abrasion-resistant backing laminated to a moisture sealing mastic for jacket repair on mining cables. MSH approved.





Repairing substantial damages

When dealing with more significant cable damage where a portion of the jacket is torn, first check if the inner layers of the cable are untouched. Then please proceed as follows:

- Remove the torn edges of the cable jacket.
- Clean the cable surface with solvent and sandpaper. We recommend using 3M™ Cable Preparation Kit CC-3 or Scotch® 1626 Degreasing and Cleaning Spray.
- Fill and seal holes with 3M™ Scotchfil™ Electrical Insulation Putty.
- Overwrap whole repair length with Scotch® Cable Jacket Repair Tape 2234.
- Wrap Scotch® Super 33+™ Vinyl Electrical Tape at the ends.

**BUY 3M CABLE JACKET
REPAIR SOLUTIONS NOW AND
GET THE JOB DONE RIGHT!**

Three alternative cable jacket repairs solutions for substantial damage:

Solution

Why



Apply 3M™ Scotchfil™ Electrical Insulation Putty to hole for sealing and moisture protection. Overwrap damaged length with Scotch® Rubber Mastic Tape 2228. Finally cover with Scotch® Super 33+™ Vinyl Electrical Tape for mechanical strength.

Cost effective, flexible solution for fixing substantial damage to cable jackets.



Apply 3M™ Scotchfil™ Electrical Insulation Putty to hole for sealing and moisture protection. Add an addition layer of 3M™ Scotchfil™ Electrical Insulation Putty over damaged area. Overwrap with Scotch® Super 33+™ Vinyl Electrical Tape for mechanical strength.

The easy to use two tape solution.



Apply 3M™ Scotchfil™ Electrical Insulation Putty to hole for sealing and moisture protection. Overwrap repair length with Scotch® Rubber Splicing Tape 23. Finally apply Scotch® Heavy Duty Vinyl Electrical Tape 22 for mechanical strength.

Easy application of Scotch® Rubber Splicing Tape 23 makes for a smoother cable jacket repair surface.

BEST SELLER ZONE

Trusted by professionals!

Keep our repair tapes in stock so you always have the best solution at hand for cable jacket repairs:

Scotch® Cable Jacket Repair Tape 2234

Professional grade mastic tape with heavy duty backing designed for jacket repair on portable power cables, draglines and diesel locomotive, welding and shipboard cables. Maintains flexibility to -30 °C. UL recognized. 105 °C temperature rating.



- Durable and flexible
- Abrasion, water, UV, chemical, oil and moisture resistant
- No heat required
- Flame retardant
- Non-corrosive for copper or aluminum conductors

Scotch® Super 33+™ Vinyl Electrical Tape

Choose Scotch® Super 33+™ Vinyl Electrical Tape for your most demanding electrical maintenance and repair jobs when failures aren't an option and equipment must keep operating. Whether in hot or cold temperatures, high humidity or in contact with contaminants and aggressive substances, you can trust VDE approved and UL listed Scotch® Super 33+™ Vinyl Electrical Tape.



- Highly conformable and super stretchy
- Applicable at temperatures ranging from -18 °C through 38 °C
- Performs continuously in ambient temperatures up to 105 °C
- Excellent resistance to UV, abrasion, moisture, alkalis and acids
- Flame retardant, inhibits corrosion of electrical conductors

3M™ Scotchfil™ Electrical Insulation Putty

3M™ Scotchfil™ Electrical Insulation Putty is a noncorrosive electrical grade compound in a tape form, easy to mold by hand down to 0 °C. It's a great solution for smoothing uneven surfaces and eliminating voids until good overall padding is provided. 3M™ Scotchfil™ Putty is recognized as a splice insulation for electrical conductors at temperatures up to 80 °C when overwrapped with Scotch® Super 33+™ Vinyl Electrical Tape.



- Non-corrosive mastic adhesive
- Self-fusing
- Easy to shape to 0 °C
- UL listed

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