

Jacket Repair Procedure

For 600 Volt and MV Cables Using 3M 2234

The objective of this procedure is to provide a means of repairing gouges, tears or indents on cables that occasionally happen in the field. This procedure covers both medium voltage and low voltage power cables and will restore the cable back to its original integrity.

The purpose of the outer jacket on medium voltage cables and low voltage multi-conductor cables is to protect the underlying components from physical and environmental damage and serves no dielectric purpose. On low voltage single conductor cables, generally, the outer layer is the cables primary insulating layer.

For medium voltage cables with damage beyond the outer jacket such as the copper tape shield is torn or on low voltage cables where the conductor is damaged, contact your Southwire Representative.

Cable jacket repairs should only be performed by qualified personnel.

Repair Procedure with outer jacket not missing:

1. Clean outer jacket with cable cleaner, wipe dry.
2. Remove any protruding sharp edges from damaged area.
3. Abrade cable jacket 3" on each side of damage.
4. Apply one half lapped layer of 3M 2234 over the damaged area and at least 2" past each side of damage.
5. Starting 1" past the 3M 2234 tape on the cable, apply two half lapped layers of 3M 33+ Vinyl Electrical tape extending 1" past the 3M 2234 on the opposite end to hold down until fully bonded.

Repair Procedure with outer jacket missing:

1. Clean outer jacket with cable cleaner, wipe dry.
2. Abrade cable jacket 4" on each side of removed jacket.
3. Apply half lapped layers of 3M 130C splicing tape in the area where the jacket was removed building up to the original jacket thickness.
4. Starting 2" past the 3M 130C tape on cable, apply one half lapped layer of 3M 2234 tape extending 2" past the opposite end.
5. Starting 1" past the 3M 2234 tape on cable, apply two half lapped layers of 3M 33+ Vinyl Electrical tape extending 1" past the 3M 2234 on the opposite end to hold down until fully



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Jacket Repair Procedure

For 600 Volt and MV Cables Using 3M 130C

The objective of this procedure is to provide a means of repairing gouges, tears or indents on cables that occasionally happen in the field. This procedure covers both medium voltage and low voltage power cables and will restore the cable back to its original integrity.

The purpose of the outer jacket on medium voltage cables and low voltage multi-conductor cables is to protect the underlying components from physical and environmental damage and serves no dielectric purpose. On low voltage single conductor cables, generally, the outer layer is the cables primary insulating layer.

For medium voltage cables with damage beyond the outer jacket such as the copper tape shield is torn or on low voltage cables where the conductor is damaged, contact your Southwire Representative.

Cable jacket repairs should only be performed by qualified personnel.

Repair Procedure with outer jacket not missing:

1. Clean outer jacket with cable cleaner, wipe dry.
2. Remove any protruding sharp edges from the damaged area.
3. Abrade cable jacket 3" on each side of the damage.
4. Apply four half lapped layers of 3M 130C over the damaged area at least 2" past each side of damage.
5. Starting 1" past the 3M 130C tape on the cable, apply two half lapped layers of 3M 33+ Vinyl Electrical tape extending 1" past the 3M 130C on the opposite end.

Repair Procedure with outer jacket missing:

1. Clean outer jacket with cable cleaner, wipe dry.
2. Abrade cable jacket 4" on each side of removed jacket.
3. Apply half lapped layers of 3M 130C splicing tape in area that jacket was removed, building up to original jacket thickness
4. Starting 2" past the 130C tape on cable, apply four half lapped layers of 3M 130C tape extending 2" past the 3M 130C on the opposite end.
5. Starting 1" past the 3M 130C tape on cable, apply two half lapped layers of 3M 33+ Vinyl Electrical tape extending 1" past the 3M 130C



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