

Specification:

Product:

The tape is based on polyvinyl chloride (PVC) and/or its copolymers and has a rubber-based, pressure-sensitive adhesive. The tape shall be 7 mils thick, and be UL Listed and marked per UL Standard 510 as "Flame Retardant, Cold and Weather Resistant." The tape must be applicable at temperatures ranging from 0°F through 100°F (-18°C through 38°C) without loss of physical properties. The tape shall be classified for use in both indoor and outdoor environments. The tape shall be compatible with synthetic cable insulations, jackets and splicing compounds. The tape will remain stable and will not telescope more than 0.1 inches when maintained at temperatures below 120°F (50°C).

Engineering/Architectural Specification:

Primary electrical insulation (branch wiring in wet or dry locations): All splices for 600 volt wire rated 105°C (220°F) and below shall be insulated with a minimum of two half-lapped layers of Scotch Super 33+ Vinyl Electrical Tape. All connectors having irregular surfaces shall be padded with Scotchfil™ Electrical Insulation Putty or Scotch 130C Rubber Splicing Tape prior to insulating with Scotch Super 33+ Vinyl Electrical Tape.

Mechanical protection (outer jacketing): All rubber and thermoplastic insulating high voltage power cable tape splices and repairs shall be overwrapped with at least two half-lapped layers of Scotch Super 33+ Vinyl Electrical Tape

Installation Techniques:

The tape shall be applied in half-lapped layers with sufficient tension to produce a uniform wind (for most applications this tension will reduce the tape's width to approximately 5/8 of its original width). On pigtail splices, the tape shall be wrapped beyond the end of the wires and then folded back, leaving a protective cushion to resist cut-through. Wrap tape up-hill, taping from a smaller diameter surface to a larger diameter surface. Apply the tape with no tension on the last wrap to prevent flagging.

Shelf Life:

Scotch Super 33+ Vinyl Electrical Tape complies with the requirements of UL 510 for storage. When maintained under normal storage conditions the tape will remain stable and has a five year shelf-life.

Availability:

Scotch Super 33+ Vinyl Electrical Tape is available from your local 3M authorized distributor in the following standard roll sizes:

3/4 in. x 66 ft.

3/4 in. x 44 ft.

3/4 in. x 20 ft.

Other lengths and widths are available by special request.

Scotch and Scotchfil are trademarks of 3M.

Important Notice

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