

Utility products



[3M Cold Shrink
8420 Series](#)



[3M Cold Shrink
QT-III](#)



[3M Cold Shrink
QS-III](#)



[3M Cold Shrink
500Pb Splices](#)



[3M Cold Shrink
QS-2000T/ QS-
2000-3T
Transition Splice](#)



[Heat Tracers](#)



[Scotch™
Premium Rubber
Tapes](#)



[Scotch Mastic
Rolls & Pads](#)



[Scotch Premium
Vinyl Tapes](#)



[3M Electrostatic
Animal Guard](#)



[Heat Shrink
Products](#)

3M Cold Shrink 8420 Series Connector Insulators

[Features](#) | [Benefits](#)

3M Cold Shrink™ 8420 Series Insulators offer a safe, easy to install method for insulating, sealing and protecting connectors, hoses fittings and conduit.



Features

- Simple safe installation
- Water-resistant
- No torches or heat required
- Easily reopened for required disconnects or inspections
- Good Thermal Stability

Benefits

- No tools or special training needed
- Meets the water seal requirements of ANSIC119.1
- Minimum maintenance
- Convenient
- Multi-purpose

Utility products

3M QT-III Cold Shrink

[Features](#) | [Benefits](#) | [Customer Solutions](#)

3M Cold Shrink™ QT-III terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable.



Features

- Hydrophobic silicone body
- Superior track and erosion resistance
- Optimum high-K stress control
- Installation requires no silicone tape or grease
- Outstanding UV stability
- Shorter installed length
- Easier installation with step-core design
- Designed to meet IEEE 48, VDE 0278 and IEC 502 standards

Benefits

Lower Installed Cost

- Minimal training required
- All materials included in the kit
- Easy cable preparation
- Compact to fit into smaller equipment

High Reliability

- No heat, flames or special tools needed
- Simple, straight forward installation
- Built-in stress relief
- 25 years of proven field experience

Customer Solutions

"The elimination of silicone grease and the addition of built-in sealing compounds has clearly decreased the chances of installer error and made installation quicker for my customers who have been testing the QT-III. The inclusion of these two features in both the tubular and skirted terminations, has been well received."

Utility products

3M Cold Shrink QS-III Rubber Splice

Cold Shrink QS-III Silicone Rubber Splices meet customer demands for easy, consistent and safe installation by eliminating the pushing, pulling or heating required with traditional cable splices.



[Product Installation Guide](#) | [Product Ordering Info](#)

Features

- Silicone body provides excellent electrical performance and superior low temperature handling and recovery.
- Splice bodies are 100% factory tested
- One piece splice body design
- Field proven technology
- Meets IEEE 404 and European VDE 278 standards
- Patented electrode design

Benefits

- No heat, flames or special installation tools required
- Easy, safe installation
- Symmetrical cable cutback dimensions
- Range taking - splice kits cover a wide cable range
- Allows transitions between different size cables.

3M Cold Shrink 500Pb Splices

[Features](#) | [Benefits](#)

3M Cold Shrink™ 500Pb kits are designed to splice Paper Insulated Lead Covered (PILC) cable up to 1000 volts. The kits can be used to connect PILC to PILC or PILC to poly/EPR cables and each kit comes packed with a Scotchlok 2000T series copper connector.



Features

- Simple safe installation
- Water Resistant
- No torchs or heat required
- Connectors are provided
- Proven oil stop performance

Benefits

- No tools or special training needed
- Meets the water seal requirements of ANSI C119.1
- Quick installation using tube on removable core technology
- Copper oil stop connectors meet requirements of ANSI C119.4
- Withstand internal oil pressures exceeding 100 psi and vacuum to 18 inches Mercury

Utility products

3M Cold Shrink QS-2000T QS-2000-3T Transition Splice

[Features](#) | [Benefits](#)

Cold Shrink QS-2000 Series Splice Kits allow you to easily splice paper insulated lead covered (PILC) cable. The QS-2000T kits will splice single conductor to single conductor PILC cable or single conductor PILC to single conductor poly/EPR cable and will stop oil to a pressure of 100 PSI. For trifurcating transition splices the QS-2000-3T connects 3 single conductor PILC cables to 3 single conductor poly/EPR cables and stops oil pressure to 65 PSI.



Features

- Simple safe installation
- Water Resistant
- No torchs or heat required
- Connectors are provided
- Proven oil stop performance

Benefits

- No tools or special training needed
- Meets the water seal requirements of ANSI C119.1
- Quick installation using tube on removable core technology
- Copper oil stop connectors meet requirements of ANSI C119.4
- Withstand internal oil pressures exceeding 100 psi and vacuum to 18 inches Mercury

Utility products

3M™ Heat Tracers

When your job calls for leading edge temperature measurement technology, 3M Infrared Heat Tracers provide a fast, easy and accurate way to measure a wide range of temperatures at a safe distance. Engineers and technicians can now monitor equipment more closely, more accurately and more often - helping to spot trouble before it leads to costly malfunction and repair.



[3M IR-60L2 Series
Heat Tracers](#)



[3M IR-60EXP
Series Heat
Tracers](#)



[3M IR-750CEX
Series Heat
Tracers](#)



[3M IR-750C
Series Heat
Tracers](#)

Utility products

3M™ IR-60L2 Heat Tracers

The IR-60 Series infrared heat tracers have built-in laser sighting that literally "spots" trouble with laser accuracy at close range or from safe distances. Simply pull the trigger. The heat tracer's circular 17-point laser shows the actual spot being measured. The heat tracer's microprocessor calculates the surface temperature.



The 3M™ IR-60L2 infrared heat tracer offers sophisticated temperature measurement across a broad range of applications.

- Tighter 60:1 field of view.
- Laser sighting for greater accuracy and improved reliability.
- Your best choice for performance and price.

Utility products

3M™ IR-60EXP Heat Tracers

For full featured performance, choose the IR-60EXPL2 Heat Tracer.



-
- Current maximum/minimum, differential and average temperature readings, all of which can be stored in memory for recall at a later time.
 - Real time temperature measurement data in either digital or analog format.
 - Windows-based software for connection to a PC

Utility products

3M™ IR-750CEX Heat Tracers

The 3M™ IR-750CEXL2 infrared heat tracer covers an increased temperature range of -25°F (-32°C) to 930°F (500°C).



-
- Added features such as data storage, which allows recall of the maximum, minimum, differential, average and last temperature readings
 - A scan mode with alarm, which displays the maximum, minimum, differential or average temperature while the trigger is pulled
 - A selectable high or low alarm which is adjustable throughout the temperature range of the heat tracers
 - Adjustable emissivity

Utility products

3M™ IR-750C Heat Tracers

The 3M™ IR-750C infrared heat tracer covers the basic temperature range of -25°F (-32°C) to 930°F (500°C).



- Added features such as data storage, which allows recall of the maximum, minimum, differential, average and last temperature readings
- A scan mode with alarm, which displays the maximum, minimum, differential or average temperature while the trigger is pulled
- A selectable high or low alarm which is adjustable throughout the temperature range of the heat tracers
- Adjustable emissivity

Utility products

3M Scotch Premium Rubber Tapes

[Features](#) | [Benefits](#)

Scotch 130C Electrical tape is a highly conformable linerless Ethylene Propylene Rubber (EPR), high voltage insulating tape that provides excellent thermal dissipation, moisture seal and void-free buildups.



Features

- No liner
- Excellent thermal dissipation
- Highly conformable

Benefits

- Easier handling, which offers lower installed cost
- More stable splices that provide longer cable life
- Excellent moisture seal which eliminates call-backs and gives higher quality installation

Utility products

Scotch Mastic Rolls and Pads

[Features](#) | [Benefits](#)

Scotch vinyl Mastic Rolls and Pads™ are designed for quick and easy insulating, padding and sealing of electrical connections. Both rolls and pads are resistant to abrasion, moisture, alkalis, acid copper corrosion, U.V. and varying weather conditions.



Features

- Self-fusing tape
- Conformable for application over irregular surfaces
- Compatible with solid dielectric cable insulation
- 2 convenient pad sizes

Benefits

- One-step application which will save you time
- Compact and portable pads which make your job easier
- Easy to use, which makes your job easier
- Allows for various applications and saves you time and money

Utility products

Scotch Premium Vinyl Tapes

[Features](#) | [Benefits](#)

Scotch premium vinyl electrical tapes provide excellent adhesion, flexibility and cold weather handling. Scotch Super 33+ easily conforms to irregular surfaces for moisture tight electrical and mechanical protection for all around superior performance.

Scotch Super 88 gives you the same outstanding performance in a thicker mil for faster buildup and Scotch 35 color code electrical applications for easy reference.



Features

- All-weather, improved cold weather handling
- Resists weather, UV resistance, abrasion, and corrosion
- Excellent electrical insulating tapes
- Far exceeds minimum agency requirements

Benefits

- Provides improved adhesion for a lower installed cost
- Long lasting use in service
- The right product across all jobs
- Provides the highest quality and the least call-backs

3M™ Electrostatic Animal Guard

The 3M™ Electrostatic Animal Guard helps prevent electrical outages and "blinks" caused by animal contact on energized electrical equipment. 3M Electrostatic Animal Guard (formerly Guthrie Guard) is a patented electrostatic barrier which attaches to energized electrical insulators/bushings rated up to 35kV.



The guard consists of rugged plastic with metal spokes radiating outward. When an animal touches the spokes, it receives an electric shock similar to those generated by electrified livestock fences. The animal is not injured and power service is not interrupted. Several electrical utilities have documented the savings achieved with this economical device. 3M Electrostatic Animal Guard offers several advantages over other conventional cover-up devices.

Benefits

Simple Installation

- Easy to install on live circuits using a hot stick
- Installs in significantly less time than cover-up designs
- Installs and removes with ease while in bucket or on pole

Maximum Longevity

- High quality stainless steel metal components
- UV resistant polypropylene body
- Patented contamination rinse design
- Negligible effect on electrical performance

Humane

- Trains animals to avoid equipment to prevent unnecessary discomfort
- Discharge shock similar to electric fence contact

Applications

Universal Application

- Primary application is on overhead transformers
- Can also be used on gapped arrestors, reclosers, capacitors, and other types of insulators/bushings include terminations.
- Works on most major brand equipment insulators/bushings

Utility products

3M™ Heat Shrink Products

Count on 3M for tough reliable heat shrink products in a wide assortment of types, sizes and packaging. 3M heat shrink tubing comes in large spools, assortment kits, cut-piece bags and 4-foot sticks. It provides reliable protection in construction, maintenance and industrial applications.



[3M IMCSN and ITCSN – Cable Tubing for 1kV](#)

[3M FP-301 Thin Wall Tubing](#)

[3M BBI/Bus Bar Tubing – 600V to 35kV](#)

[3M EPS-300 and MW Adhesive Lined Tubing](#)

3M IMCSN and ITCSN – Cable Tubing for 1kV

- Adhesive lined for moisture protection
- IMCSN – medium wall for greater cable management
- ITCSN – tough rigid heavy wall listed to UL 486D

3M FP-301 Thin Wall Tubing

- General purpose insulation for wire & harness splicing, covering, marking, and bundling
- Many sizes and colors
- UL, CSA and MIL Applications

3M BBI/Bus Bar Tubing – 600V to 35kV

- High Split resistance
- Fits rectangular, square, and round bus bars
- Meets ANSI/IEEE standards
- Track resistant polyolefin

3M EPS-300 and MW Adhesive Lined Tubing

- Insulation and moisture resistance for protection of cable connections in outdoor, automotive, marine, and industrial applications
- EPS-300 – flexible for greater wire management
- MW Tough / semi rigid for added resistance to abrasion; strain relief for delicate wire connections