

How to use the 3M3529 cold splice



AI Overview

The 3M3529 cold splice is installed by preparing the cables, positioning the splice over the conductors, and carefully removing the core to allow the silicone body to shrink and provide insulation and protection.

Tools and Materials Needed

- 3M3529 Cold Shrink Splice kit
- Cable cleaning pad or cloth
- Cable strippers and cutters
- Optional: silicone grease (if supplied with the kit)
- Personal protective equipment (gloves, safety glasses)

Step-by-Step Installation

- Prepare the Cables** Strip the cable insulation according to the dimensions specified in the kit instructions, ensuring the conductor is exposed without damaging it. For jacketed concentric neutral (JCN) or concentric neutral (CN) cables, carefully bend back neutral wires over the edge of the cable jacket to allow proper connection. Clean the cable surface with the provided cleaning pad to remove dirt, moisture, or oxidation.
- Position the Splice** Slide the cold shrink splice over the prepared cable ends before connecting the conductors. Ensure the splice body is fully stretched on its removable core.
- Connect the Conductors** Use the appropriate connector (compression or shearbolt) to join the conductors securely. For JCN or CN cables, connect the neutral wires as instructed in the kit manual.
- Install the Cold Shrink Body** Center the splice body over the joint. Carefully remove the inner core, allowing the silicone body to shrink uniformly around the cable and connector. Ensure the splice is snug and fully covers the exposed conductors and connectors.
- Apply Additional Sealing** If the kit includes mastic tape or silicone grease, apply it at the semi-conductive step or around the splice to enhance moisture protection. Avoid using non-supplied grease, as it may be absorbed into the splice and compromise insulation.
- Final Inspection** Verify that the splice is fully seated, with no gaps or exposed metal. Check that the neutral wires are properly positioned and that the splice provides uniform pressure around the cable.

Tips and Precautions Install in a clean, dry environment to prevent contamination. Do not rem...

Article Content

Optical fiber cold splicing and hot melting steps

The bare fibers at both ends need to be snapped into the snap ring in the middle of the cold splicer, and the snap rings on both sides should be pushed tightly, and then tested, and the

Easy Installation.

The 3MTM Cold Shrink Silicone Rubber Splice QS-III is designed to meet customer demands for easy, consistent installations by virtually eliminating the pushing, pulling or heating required by traditional

3M Cold Shrink QS-III Splicing Kit Instructions Manual

View and Download 3M Cold Shrink QS-III Splicing Kit instructions manual online. Cold Shrink QS-III Splicing Kit cables and connectors pdf manual download. Also for: 5467a-we.

3M Cold Shrink Cable Splice Kit

This is a very easy to install cable splice kit that is an excellent choice for underground applications. The cold shrink wraps around the cable providing a weather rated install.

Fiber optic quick connector cold joint

The wide application of fiber-to-the-home (FTTH) has promoted the rise of fiber optic fast connectors/cold connectors. This product has the

Fibrlok II 2529 Universal Optical Fiber Splice

Fiber should be placed in the retention pad and inserted into the splice immediately following cleaning to minimize exposure to the atmosphere and reduce the risk of contamination.

78-8125-9891-6 rev b

Product Description The 3MTM Cold Shrink QS-III Splice Kits 5535A and 5536A are 35 kV-class inline splices for tape, longitudinally corrugated (LC), wire and UniShield® shielded power cables. They are

How to do the cold splicing when the fiber optic cable is broken?

How to do the cold splicing when the fiber optic cable is broken? The most detailed cold splicing procedures for broken fiber optic cable.

3M Cold Shrink Splices

3M Electrical Splices offer reliability and ease of use when tackling a wide range of installations and voltages. The 3M electrical splice product line covers splicing needs from 1000 V to 145 kV Class

3M™ Cold Shrink QS4 Integrated Splice Kit | 3M US

Streamline Your Splicing Process with the 3M™ Cold Shrink QS4 Integrated Splice
Lighten your workload with this all-in-one cold shrink delivery system that reduces the number of steps compared

3M™ Cold Shrink QS-III Splice Kits | 3M United States

3M™ Cold Shrink QS-III Inline Cable Splice Kits 5469A WF provide streamlined installation with a single-piece jacket, cold shrink living seal, fewer manual steps, and a shorter splice design

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7.2 Begin to install the cold shrink tube by completely covering the rubber mastic, and slowly pulling and unwinding the inner core counterclockwise toward the splice body.

3M Splice Kit 5551-3/C-AC

3.2 Begin to install the cold shrink jacketing tube by completely covering the rubber mastic, slowly pulling and unwinding the inner core counterclockwise towards the open splice area.

3M™ Cold Shrink QS-III Splice Kit 5525A-350-CU, 25/28 kV, 350

3M™ Cold Shrink QS-III Inline Shielded Cable Splices 5524A, 5525A and 5526A Series are inline splices for joining 25/28 kV tape shield, wire shield, UniShield® or longitudinally corrugated (LC)

3M Cold Shrink QS-III Splicing Kit 5775A-MT

Do not use solvent or abrasive on cable semi-conductive insulation shield. If abrasive is used on cable insulation, do not reduce diameter below the 0.64" (16,3 mm) minimum specified for the splice.

3M Fibrlok II 2529 Universal Optical Fiber Splice, Fibrlok 2501 ...

Complete instructions for installing and using the 3M Fibrlok II 2529 Universal Optical Fiber Splice and related accessories. Learn about fiber preparation, splice assembly, and troubleshooting tips.

78-8125-9891-6 rev b

The splices can be used with standard copper (Cu) or aluminum (Al/Cu) inline compression (crimp type) connectors or specified shearbolt connectors, and can be used for size transitions within the listed kit

Cold Shrink Rubber Splicing Kits

3M 5550 Series Cold Shrink Rubber Splicing Kits can be used on cables with a rated operating temperature of 90 C and an emergency overload rating of 130 C. Splices constructed from these kits

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2.5.2 Begin to install the cold shrink tube by completely covering the rubber mastic, and slowly pulling and unwinding the inner core counterclockwise toward the splice body.

3M™ Cold Shrink Inline Splice Kits 5730 Series

3M™ Cold Shrink Inline Splice Kits 5730 Series are applicable for indoor and outdoor installations, including direct burial, aerial and submersible applications.

3M Fibrlok II Universal Optical Fiber Splice 2529

Remove the 3MTM Fibrlok™ Splice from the assembly tool by first removing the fibers from the foam retention pads and then lifting the splice from the splice holding cradle.

3M II 2529 manual Fibrlok II Universal Optical Fiber Splice

Whether it is used in automotive, aerospace, or manufacturing sectors, the tape ensures a strong bond that can withstand demanding environments. Its flexibility allows it to conform to curves, edges, and

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8.0 Apply Cold Shrink PST Jacket Sleeve 8.1 Center PST Jacket Sleeve over splice opening. (See Fig. 9) 8.2 Start removing the core so PST Jacket Sleeve shrinks over the entire mastic strip. 8.3 Sleeve

3M Cold Shrink Rubber Splicing Kit 5552

Slide cold shrink jacket (longer, non-tapered tube) onto one cable (Figure 6). Note: For shielded to non-shielded splices, the shielding braid sleeve is not used.

Contact Us

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