How to install the silicone clips inside the fiber optic splice closure



Overview

3M Fiber Optic Splice Closure Guide The document provides detailed instructions for the installation and assembly of the 3M™ Fiber Optic Splice Closure 217.

Key Takeaways

Silicone clips in a fiber optic splice closure are installed to seal cable entry and exit points, ensuring protection and strain relief for the fibers.

Preparation

Before installing silicone clips, ensure the work area is clean, dry, and dust-free. Verify that all closure components, including grommets, sealing plugs, and trays, are present and undamaged. Strip the fiber optic cable according to the manufacturer's recommended length, typically around 180 cm, without damaging the internal fibers or buffer tubes.

Installing the Silicone Clips

Open the Closure Base: Release the plastic hoop or latch tab to separate the cover from the base. Remove any pre-installed sealing gaskets carefully to avoid compromising the closure's sealing performance. Select the Correct Grommet: Choose a silicone grommet that matches the cable diameter.



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Grommets are available for single or multiple cables and may include plugs for unused ports. Prepare the Cable Surface: Wipe the cable or plug with the provided silicone wipe to ensure smooth insertion and proper adhesion inside the port. Insert the Cable Through the Grommet: Push the cable or plug into the silicone grommet, ensuring the grommet is flush with the port surface.

The orientation and position are critical to maintain a proper seal. Secure the Clip: Position the silicone clip or grommet in the designated port on the closure base. If the closure uses a bracket or v-groove, align the grommet and tighten the bracket screw to lock it in place.

Seal the Remaining Ports: For unused ports, insert silicone plugs to maintain the closure's environmental protection.

Final Steps

Install Fiber Trays: Place the spliced fibers into the splice trays, coiling excess fiber neatly to avoid stress or pinching. Stack trays according to closure capacity, ensuring accessibility for future maintenance. Close the Lid: Reattach the closure cover, ensuring the O-ring is properly seated around the perimeter to maintain a watertight seal.

Check Sealing and Strain Relief: Verify that all cables are secured, the silicone clips are properly seated, and the closure is fully sealed to prevent water ingress or fiber damage. Following these steps ensures that the silicone clips provide effective sealing and strain relief, maintaining the integrity and longevity of the fiber optic network.

Article Content

3M Fiber Optic Splice Closure Guide

The document provides detailed instructions for the installation and assembly of the 3M™ Fiber Optic Splice Closure 2178-XL and 2178-XL/FR, including kit contents, cable preparation, and splice closure

INSTALLATION MANUAL (Fiber Optic Splice Closure)

GENERAL SAM 6 MC type of Fiber Optic Splice Closure (FOSC) is a member in dome series of op- tical fiber cable splice closures. This model has four small circular cable entry ports plus one big circular

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Sapphire™ L & M Series Dome Splice Closures Installation Instructi

Use the provided silicone oil wipe to clean and lubricate the open ports before inserting the silicone grommets and cable. Applying the silicone to the inside of the open port and onto the grommet must

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Fiber Optic Splice Closure Installation Instruction - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

How to Install a Fiber Splice Closure? (QL-CD-10002)

This Installation Manual suits for the Fiber Optic Splice Closure (Hereafter abbreviated as FOSC), as the guidance of proper installation. The scope of application is: aerial, underground, pipeline, hand-holes.

Fiber optic splice closure build tutorial

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The FOA Reference For Fiber Optics

Inside splice closures and at each end, cables with metallic shielding or strength members must be properly grounded and bonded. Care should be taken when arranging fibers and splices in splice

Fiber Cable Mechanical Splicing Guide Using Fiber Splice Trays

Learn how to perform mechanical fiber cable splicing inside fiber enclosures using fiber splice trays. This step-by-step guide covers fiber preparation, alignment, splicing, protection, and

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Installation Guide for Fiber Optic Splice Closure

This blog is a structured guide to ensure optimal fiber optic splice closure installation, protecting your fiber connections.

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Fiber Optic Splice Closure Kit

Determine length of optic fiber cable to be fixed and stripped inside FOSC Strip off protective coats of optic fiber cable and fiber Separate fiber cores and prepare work prior to fixing fiber cable Fix

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