

How to install fiber optic glass sleeves



Article Overview

Installing fiber optic glass sleeves involves careful fiber preparation, insertion into the sleeve, optional heat shrink protection, and thorough inspection to ensure a secure, low-loss connection.

Step 1: Preparation

- **Material Check:** Gather all necessary tools and materials, including fiber tubes, optical fibers, connectors, wire strippers, cleaning cloths, alcohol swabs, heat shrink tubes (if required), and a heat gun or welding device .
- **Environmental Setup:** Work in a clean, dry, and dust-free area with adequate lighting to prevent contamination of the fiber end faces .
- **Fiber Inspection:** Ensure the fiber sleeve is intact and has good sealing performance before installation .

Step 2: Fiber Preprocessing

- **Strip the Jacket:** Use a wire stripper to remove the outer sheath of the optical fiber to the specified length, exposing the bare fiber without damaging it .
- **Clean the Fiber:** Wipe the fiber end face gently with an alcohol-soaked swab to remove dust, grease, or other contaminants .
- **Cut the Fiber:** Use a precision fiber cleaver to cut the fiber, ensuring a smooth, burr-free end surface .

Step 3: Sleeve Installation...

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