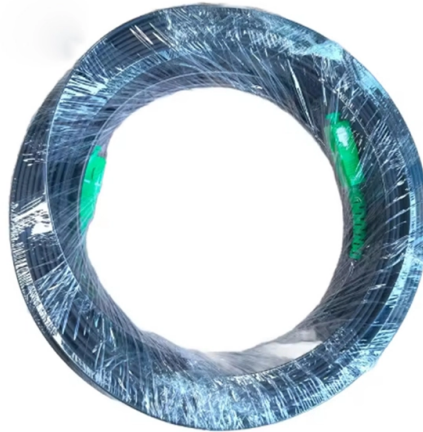


144 Optical Cable Stripping



Overview

CIG0149 The instructions within this document explain the stripping procedure for COF260 (144f, 5.0mm) cables for jointing and termination purposes. Centra.

Key Takeaways

Stripping a 144-core optical cable requires careful, stepwise removal of the outer sheath, strength members, and fiber tubes to expose the optical fibers without causing damage.

Tools and Safety

Before starting, ensure you have the following tools and safety equipment: Cable scissors and diagonal cutters Optical fiber strippers and tube cutters Paper toweling and cleaning alcohol Safety glasses and a clean, well-lit workspace Nippers and rip cords for sheath removal Always follow local health and safety regulations and handle fibers carefully to avoid injury or fiber damage.

Step-by-

Step Stripping Procedure

Mark and Cut the Sheath Determine the length of sheath to remove and mark the cable. Apply a circumferential cut 150mm from the cable end, followed by two longitudinal cuts opposite each other. Carefully separate and remove the outer sheath.



Remove Rip Cords and Binder Yarns

Identify and pull the rip cords to make a longitudinal cut along the sheath. Remove binder yarns and unwind the tube elements from around the central strength member (CSM), which is typically a glass-reinforced plastic rod.

Handle Water-

Swellable Elements

Identify and remove any water-swellable yarns or gel to prevent contamination of the fibers.

Prepare Individual Tubes

Each tube contains 24 fibers. Score the tube 300mm from the end using a tube cutter set to avoid cutting the fibers. Flex the tube to remove it from around the fibers and clean off any grease.

Expose and Strip Fibers

Once the tubes are removed, use a fiber optic stripper to remove the buffer coating from each fiber individually. Clean the fibers with alcohol wipes to ensure a smooth, defect-free surface for splicing or termination.

Best Practices

Progressive stripping: Remove layers sequentially—outer jacket, aramid yarn, tubes, then individual fibers—to avoid damage. Tool maintenance: Keep cutting edges sharp to prevent nicks or scratches on fibers. Inspection: Use a fiber inspection microscope or visual fault locator to check for defects before termination.

Dummy practice: Test cutter settings on a dummy section to ensure proper depth without damaging fibers. By following these steps and precautions, you can safely strip a 144-core optical cable and prepare it for splicing or termination while maintaining fiber integrity and network performance.

Article Content

Fiber Strippers – tools, mechanical, thermal, chemical,

Fiber strippers are precision tools that reliably and cleanly remove a defined length of coating (often 30–40 mm) from a fiber end so that the bare glass is exposed

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How to strip a 144-core skeleton optical cable with a length of 4 meters correctly□
#fcst #fttx #fiberoptics #network #fibropticalcable...

Fiber U Lesson Plan: Basic Skills Lab, Remote

Use the fiber strippers to strip ~1" (25mm) from the end of the fiber in 3 steps, about 1/4-3/8" (6-8mm) at a time. Hold the stripper at a 45degree angle to the fiber to reduce stress on the fiber.

stripping fiber optic cables

I am stripping two 144F loose tube cables and one 48F loose tube cable. Please like, subscribe, and comment any questions you may have.

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Semi-automatic fiber-stripping machines enable precise and efficient processing of coated, buffered, and jacketed glass fibers. Designed for reliability and repeatability, these machines ensure high-quality

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Choose from our selection of fiber-optic strippers in a wide range of styles and sizes. Same and Next Day Delivery.

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Corning ALTOS® all-dielectric gel-free cables are designed for outdoor and limited indoor use for backbones in lashed aerial and duct installations. The loose tube

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Good fiber optic stripping techniques in your cable assembly process are crucial. See best practices for how to strip fiber optic cable buffers & jackets.

ALTOS® Loose Tube, Gel-Free, Double-Jacket, Single-Armored Cable 144

ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried installation while suitable for duct and aerial (lashed) installation. The loose tube design

144 Cores Horizontal fiber optic splice closure | Fiberblink

Standard 144 Cores Horizontal fiber optic splice closure are used to distribute, splice, and store the outdoor optical cables which enter and exit from the ends of the closure. The high quality inline splice

The “golden rule” in stripping

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Ideal Industries 45-144 Slitting Tool, round cable up to 1.75 in OD ...

The IDEAL 45-144 cable stripping and slitting tool is designed to remove the outer jacket of round single or multiple conductor cables. The tool will strip cables from 0.250 in. up to 1.75 in. in diameter. This

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The single armored construction provides additional crush and rodent protection with a high-strength ripcord under the armor for easy stripping. Gel-free means the

Multi-Loose Tube Fiber Cable

Outdoor dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member, polyethylene inner jacket, Steel Wire Armouring (Full Rodent Protected) armor and polyethylene

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Corning SST-Ribbon gel-free cables represent a truly innovative breakthrough in outside plant cable technology. Providing up to 216 fibers in a compact design, the enhanced coupling features ensure

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