

Method for stripping armored fiber optic cables



AI Overview

Stripping armored fiber optic cable requires carefully removing the outer jacket, metal armor, Kevlar fibers, and buffer layers without damaging the delicate optical fibers inside.

Tools and Preparation

Before starting, gather the following tools:

- Armored cable cutter or utility knife
- Kevlar scissors
- Fiber stripper for 250 μ m or 900 μ m fibers
- Alcohol wipes and fiber cleaning tools
- Safety glasses and a clean work area

Inspect the cable for damage and confirm the type (single-mode or multimode) and connector requirements. Plan the cable path to avoid sharp bends or high-tension areas, as armored cables are stiffer than standard fiber cables.

Step-by-Step Stripping Process

Remove the Outer Jacket: Use an armored cable cutter or utility knife to score the outer jacket gently. Bend the cable at the scored line until the jacket separates. Avoid cutting too deeply to prevent nicking the metal armor or fibers.

Strip the Metal Armor: Armored cables may have steel tape, corrugated metal, or flexible metal tubing. Remove the armor section by section, bending or peeling it away carefully. Use gloves if necessary, as the metal edges can be sharp.

Cut Kevlar Strength Members: Kevlar fibers provide tensile strength. Trim them with Kevlar scissors, taking care not to pull or damage the inner fibers.

Expose the Inner Fiber: Strip the inner cladding and buffer using a fiber stripper. For tight-buffered fibers (900 μ m) or buffered fibers (250 μ m), remove the coating gradually. Do not use excessive force, as the glass fiber is fragile.

Clean the Fiber: Use alcohol wipes to clean the exposed fibers and a professional connector cleaning pen for ferrules. Inspect the fiber with a scope if available to ensure no scratches or debris remain.

Safety and Best Practices

Always wear safety glasses to protect against fiber shards. Work in a clean, well-lit area to prevent contamination. Strip layers progressi...

Article Content

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Note the cable diameter and jacket thickness for each cable – Stripping cables and fibers is a delicate process. Carefully set your hand tool or machine tool to the right cable diameter and

Fiber Optic Cable Stripping: A Comprehensive Guide

By following these guidelines and utilizing the appropriate tools, you can ensure safe and efficient stripping, leading to reliable and high-performing fiber optic networks.

Sheath Removal and Mid-span Access of Corning Cable Systems Armored ...

General 1.1 This procedure describes installation and handling practices for Corning Cable Systems armored ALTOS Ribbon fiber optic cables (Figure 1).

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This is a professional grade cable splitter ideal for slitting the corrugated copper, steel or aluminum armor layer on Fiber Feeder, Central Tube, Stranded Loose Tube fiber optic cables and other ...

Tool for stripping armored fiber? : r/networking

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ARMORED CABLE SPLICING

4.6 Stripping Fiber 4.6.1 Stripping Polyimide coated fiber – Char coating in area to be stripped and wipe clean with alcohol and Texwipe. 4.6.2 Stripping acrylate coated fiber – Use fiber stripper to

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Lesson 3: Fiber Optic Cable And Fiber Preparation Objectives: From this lesson you should learn: How to identify typical fiber optic cables How to prepare cables for

Cable Preparation for Single Armor Outside Plant (OSP) Fiber Optic Cables

This section details the methods for entering an armored fiber optic cable mid-sheath. To access the fibers in an armored cable at mid-sheath, first locate the appropriate area of the cable.

MicroArmor Removal Tool | Step-by-Step Fiber Cable Armor Stripping

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Stripping Techniques For Your Fiber Optic Cable

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

Armored Fiber Optic Cable Installation Guide | FiberMania

Armored Fiber Optic Cords Installing Guide This guide provides a complete installation process for armored fiber optic cords, explaining each step from routing and pulling to stripping,

Tips & Techniques for Using Stripping Tools on Fiber Optic Cable

If the blade of the strip tool contacts the bare fiber, it's easy to scratch the fiber OD, reducing product reliability. Click for more tips & techniques.

Sheath Removal of Armored ALTOS® Fiber Optic Cables

General 1.1 This procedure describes general sheath removal methods for armored Corning Cable Systems ALTOS cables. 1.2 Armored ALTOS cable are rugged fiber optic cables featuring buffer

How to Strip Armored Fiber Optic Cable Without Damaging the Inner ...

Proper techniques involve using a dedicated armored wire stripper to efficiently and safely remove the outer jacket of armored fiber optic cable without compromising sensitive inner fibers.

How to Strip and Prepare Fibre Optic Cable for Termination: A ...

Introduction: Stripping and preparing fibre optic cables for termination is a critical step in the installation and maintenance of fibre optic networks. Properly stripping the cable and preparing

Good stripping techniques for your fiber optic cable ...

Without question, good stripping techniques in your fiber optic cable assembly process are imperative. What happens if you damage the fiber during this production step?

Fiber and Cable Stripper – Types, Uses & Guide

Learn how to use fiber strippers, cable cutting scissors, and armored cable slitters. Discover their applications in fiber splicing, cable prep, and FTTH.

How To Strip Fiber Optic Cable | Instructional

In this instructional video, Bob Licari, Test Equipment Product Manager, demonstrates a simple way to strip optical fiber.

Fiber Strippers – tools, mechanical, thermal, chemical, plasma,

Fiber strippers are precision tools that remove a coating from a fiber before connectorization or splicing. There are mechanical, thermal and non-contact strippers.

Contact Us

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