

How to strip the outer sheath of outdoor optical cables



Overview

Cable Preparation for Single Armor Outside Plant (OSP) This instruction manual is a step-by-step guide for end and mid-sheath access of armored fiber optic.

Key Takeaways

To strip the outer layer of outdoor optical cables, carefully remove the armor and jacket using ripcords or specialized fiber optic strippers to avoid damaging the internal fibers. Step-by-Step Procedure

1. Identify and Mark the Cable

- Determine the length of cable to be stripped.
- If the cable has armor, mark the armor with a knife tip to indicate where to start stripping, ensuring you do not cut through the armor or ripcords .
- 2. Remove the Armor (if present)
- Cut and remove the armor at the marked point to expose the ripcords, usually located on opposite sides of the cable .
- Nick the armor lightly on each side to create a starting point for the ripcords.
- 3. Use Ripcords to Strip the Jacket
- Grip one ripcord and pull at a 90-degree angle to the cable; this will cut through the armor and outer jacket cleanly.

- Repeat with the second ripcord. The outer jacket and armor should come off in two pieces without straining the cable . 4. Clean Gel or Adhesive (if present)
- Some outdoor cables have a gel-type adhesive under the armor. Use a safe, environmentally friendly cleaning product to remove it before proceeding . 5. Strip the Inner Jacket (if needed)
- Cut a few inches of the inner jacket at the cable end to expose additional ripcords.
- Nick and mark the inner jacket to the desired length, then use the ripcord to remove it .

Tools and Tips

- Fiber Optic Strippers: Professional strippers have multiple notches for different layers, including the outer jacket, buffer, and acrylate coating. They prevent damage to the glass fiber and ensure clean removal .
- Wire Strippers: For single-fiber cables, appropriately gauged wire strippers can remove the outer jacket, but care must be taken not to cut aramid yarns, which provide tensile strength .
- Knife with Hook Blade: Useful for scoring the jacket before using ripcords, especially on armored cables .
- Safety: Always maintain sharp tools, wear protective gloves, and avoid nicking the internal fibers or strength members. By following these steps and using the correct tools, you can safely strip the outer layer of outdoor optical cables while preserving the integrity of the internal fibers and strength members.

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Sheath Removal Procedure for Corning Cable Systems MIC®

1.1 This practice describes how to remove the sheaths or "jackets" of a Corning Cable Systems MIC 250 cable and prepare the

Removing the outer sheath

Easy instructions for cable preparation! Removing the outer sheath in medium-voltage

Outer Sheath and Interlocking Armor Removal from Corning

4.8 Holding the cable on both sides of the cut, twist the cable to separate the armor. Remove the armor and outer sheath from the

Fiber Optic Cable Jacket Removal Tools

Tools of the Fiber Optic Trade Working with fiber optic cables requires you to have a variety of tools in your truck

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Sheath Removal and Stripping of 8 and 12-Fiber Ribbon

Outer Jacket Removal 4.1 Determine the cable strip lengths (i.e., the lengths of jacket to remove, and aramid yarn to leave) from the

REMOVAL OF CABLE OUTER SHEATHS

1.2 Thoroughly abrade and degrease the outer sheath for a distance of 200mm or as indicated in the relevant joint drawing. 1.3 Make

Fiber U Lesson Plan: Basic Fiber Optic Skills Lab

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

Preparing cable for connection

Preparing cable for connection You will require a sharp knife to strip the cable. Lay the end of the cable on a firm surface and with the

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Sheath Removal of Armored and Non-Armored FREEDM® Riser

1.1 This procedure describes general sheath removal methods for armored and non-armored versions of Corning Cable Systems

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Stripping copper TPS cable quickly is easy, all you need is a good set of pliers, some

Sheath Removal of Armored ALTOS® Fiber Optic Cables

1.2 Armored ALTOS cable are rugged fiber optic cables featuring buffer tubes and dielectric central members protected by water

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