

Methods for removing the outer sheath of an 8-core optical cable

Article Overview

Use a precision fiber optic stripper to carefully remove the outer sheath without damaging the inner fibers, following a progressive layer-by-layer approach.

Tools and Safety

- o Fiber optic cable stripper: Choose a professional-grade stripper with a notch suitable for the outer jacket diameter (typically 1.6-3mm for multi-core cables) to avoid cutting the inner fibers .
- o Cable-cutting scissors or pliers: For trimming aramid yarn or other strength members .
- o Safety glasses: Protect your eyes from sharp fiber fragments .
- o Clean workspace: Ensure a dust-free, well-lit area to prevent contamination .

Step-by-Step Procedure

- o Measure and mark the strip length: Determine how much of the outer sheath needs to be removed for your termination or splicing application.
- o Adjust the stripper blade depth: Set the fiber optic stripper to the correct depth for the outer jacket, ensuring it will cut the sheath but not the aramid yarn or buffer layers underneath .
- o Make a radial cut: Place the stripper at the marked point and rotate it around the cable in a spiral or circular motion to score the outer sheath evenly .
- o Remove the outer sheath: Gently pull off the scored jacket using your fingers or needle-nose pliers. The cut edge should be clean and straight, not jagged or torn .
- o Inspect the aramid yarn: Check for any damage to the strength fibers. If any fibers are cut, adjust the stripper to a larger gauge and repeat the process .
- o Trim aramid yarn: Use cable-cutting scissors to cut the exposed aramid yarn flush with the stripped end, taking care not to nick the inner fibers .

Additional Tips

- o Progressive stripping: For multi-layer cables, strip each layer individually--outer jacket first, then aramid yarn, then buffer coatings--avoiding a single-step removal .
- o Avoid generic tools: Do not use standard wire strippers or knives, as they can damage the delicate glass fibers and cause signal loss .
- o Clean the stripped end: Use alcohol wipes to remove debris before further termination or splicing . By following these steps and using the correct tools, you can safely and efficiently strip the outer sheath of an 8-core optical cable while preserving the integrity of the inner fibers for optimal performance.

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To provide a method by which existing cables can be freed from their core in as quick and inexpensive a manner as possible, it is

Hi folks. When wiring, the biggest pain I have is removing the main outer insulation from flat and round cable (the grey

How to remove wire insulation without cutting the inner wires Make Build Modify 208K

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

Jacket Stripping Tool is designed to strip the outer sheath from tight jacket Cables/Microcables.

1.0 GENERAL INFORMATION This best practices document is a step-by-step guide for end and midspan access of loose tube

1.2 Corning Cable Systems ribbon interconnect cables are lightweight, flame retardant cables designed for high performance

Use the Wire Stripper/Splitter to strip a variety of fiber optic and coaxial cables up to 14

You can also cut 2 lines closer together and grab the small part of the jacket and pull that out yourself to create a strip of stripped

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

Introducing the new US14, a ratcheting outer sheath cable splitter that is engineered to remove the outer sheathing

Stripping cable is a simple enough job with the right tools and a little practice. Care needs to be taken so that you don't damage any

This is an automated cable cutting and stripping machine for multi-core cables. It is capable of stripping

The OGA heavy duty cable outersheath removal tool is manufactured by Alroc and enables a longitudinal and circumferential ("ring")

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

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strip

A process for cutting and removing a portion of an outer sheath having spaced apart insulation covered wires and a core member

Web: <https://www.millstraining.co.za>

