

How to strip a double-wire optical cable



Article Overview

Double-wire optical cables should be stripped progressively, layer by layer, using precision fiber strippers to avoid damaging the glass fibers or aramid strength members.

Key Steps for Stripping

1. Identify Cable Layers: Double-wire optical cables typically have multiple layers: an outer jacket, aramid yarn (strength members), buffer coatings, and the acrylate coating directly on the glass fiber. Each layer must be stripped individually to the required length for connectorization or splicing . 2. Use Proper Tools:

- Mechanical Fiber Strippers: Handheld strippers with precision notches sized for specific coating diameters (e.g., 250 μm , 900 μm) are ideal for removing buffer and acrylate coatings without nicking the fiber .
 - Cable Strippers: For the outer jacket, use adjustable cable strippers or scissors designed for optical cables, ensuring the blade depth is set to avoid cutting underlying layers .
 - Fiber Grippers: Textured rubber grippers can hold the fiber securely during stripping, preventing microfractures .
3. Progressive Layer Removal:
- Outer Jacket: Strip the outer sheath first using a cable stripper or appropriately sized notch.
 - Aramid Yarn: Carefully cut or pull back the aramid fibers without damaging the fiber core; these fibers provide tensile strength .
 - Buffer Coating: Use a precision fiber stripper to remove the buffer down to the acrylate coating....

Article Content

Fiber U Lesson Plan: Basic Skills Lab, Remote

You have successfully completed this exercise when you have been able to strip the jacket and both buffer coating layers from the

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

How to Strip And Clean Fiber-Optic Cable

Whether it is indoor or outdoor fiber-optic (FO) cable, using a step-by-step approach reduces the chance of fiber damage while

How to Strip and Clean Fiber-Optic Cable?

Fiber Optics knowledge Recommended How to Strip and Clean Fiber-Optic Cable? To strip and clean outdoor FO cable, you have to

Is there an easy way to strip twin and earth cable?

The first clamped the cable and made the cuts, the second separated the clamps, neatly stripping the end off the cable. (I should add

Fiber Optic Termination Kit • User Guide

This guide provides instructions for the Extron Fiber Optic Termination Kit. The kit contains the necessary tools required for an

Fiber and Cable Stripper – Types, Uses & Guide

Fiber & Cable Stripper for Fiber Tools 1. FOS03 Fiber strippers remove the coating from the fiber optic cable to expose

NKT Photonics App notes

Safety Operators familiar with electronic wires and cables may not be aware of the special features of optical fiber and components.

How to Strip Wire

Learn how to strip wire, and you can tackle any DIY electrical work. (Plus, you already have the tools for at least one of

Fiber U Lesson Plan: Basic Skills Lab, Remote

Lesson: Stripping Optical Fiber Cable Objectives: From this lesson you should learn: How to use these tools to strip cable to the bare

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

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

Wire and Cable Strippers

Telephone installers use the double-slotted cable stripper for 22/24 AWG wire installation. Use our coax cable stripper to perform 2

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 Optic Cable Cutting Machines Stripper Tools

The Cable Cutting Machines & Stripper Tools category features a comprehensive selection of manual, semi-automatic, and

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

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