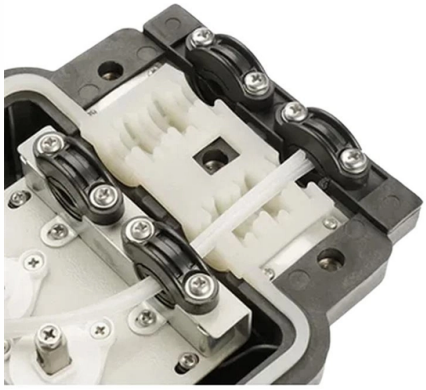
How to strip a fiber optic cable



Overview

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

Key Takeaways

Stripping a fiber optic cable involves carefully removing the outer jacket, Kevlar fibers, and buffer coating using specialized tools to expose the bare glass fiber without causing damage.

Tools You Will Need

Fiber optic cable stripper (with multiple groove sizes for different buffer diameters)Kevlar scissors or small wire cuttersLint-free wipes and isopropyl alcohol for cleaningOptional: hook blade knife or ripcord for outer jacket removalStep-by-Step Process1. Prepare the Cable Decide how much cable you need for termination or splicing. Mark the length of the outer jacket to remove, typically 7–10 inches from the end for indoor cables.

Some installers use a shrink sleeve over this area for protection. 2. Remove the Outer Jacket Use a fiber optic stripper or hook blade knife to score the outer jacket carefully.

Avoid cutting too deep to prevent damaging the inner fibers. Pull back the jacket using a ripcord or by bending and breaking the plastic along the score line. 3.

Trim Kevlar Fibers After exposing the inner fibers, cut the aramid (Kevlar) fibers close to the jacket end using Kevlar scissors. Wind the fibers into a bundle to make them easier to handle. 4.

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Strip the Buffer Coating Use the fiber optic stripper to remove the buffer coating from the fiber itself. Work in small increments (about 1/4–3/8 inch at a time) to avoid stressing or breaking the fiber. Hold the stripper at a 45-degree angle and use the appropriate groove for the fiber diameter (e.g., 900 micron or 250 micron) to remove the coating in multiple steps.

5. Clean the Fiber Once the bare fiber is exposed, clean it with a lint-free wipe soaked in isopropyl alcohol. This removes any debris or residue and ensures proper connectivity during termination or splicing.

6. Dispose of Scraps Safely Collect all fiber scraps in a marked container to prevent injury, as glass fibers can be hazardous.

Tips and Best Practices

Always strip fibers gradually; never try to remove too much coating at once. Maintain sharp stripping tools to prevent nicks or scratches on the fiber, which can weaken it. Practice on spare cable to develop a steady hand and proper technique.

Use proper lighting and magnification if needed to see the fiber clearly. By following these steps carefully, you can strip fiber optic cables safely and prepare them for splicing or connectorization without damaging the delicate glass core.

Article Content

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.

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.

Fiber U Lesson Plan: Basic Skills Lab, Remote

1: Use kevlar scissors to cut the cable at the middle. We''ll splice the two pieces back together in an exercise and put new connectors on the bare ends in another exercise. 2. Use the fiber stripper to

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.

Fiber U Lesson Plan: Basic Fiber Optic Skills Lab

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In this lesson, we will identify and examine cables, then prepare them for splicing or termintion by stripping the cable to expose the coated fibers. Finally we will strip

How to Strip And Clean Fiber-Optic Cable

In our continuing discussion of installing FO cables, let''s use a step-by-step approach in detailing how to strip and clean indoor and outdoor FO cables. Please refer to the noted FO cable cross-section

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 Cut Fiber Cable?

Unlike copper cables, fiber optic cables are significantly more fragile and require specialized tools and techniques for cutting and termination. Learning how to cut fiber cable correctly

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.

Pre Terminated Fiber Optic Cable Reel For Sale

This reel keeps optical fibers safe. The 250µm buffer protects each strand. It prevents kinks exceeding the 30mm minimum bend radius. You can easily

How to Terminate Fiber Optic Cable Fast and Easily

Fiber optic termination is a necessary step for installing a fiber optic network. It is a physical connection of a fiber optic cable to create a seamless connection between similar or

5 Best Fiber Optic Cable | Skip The Static Cables

This guide breaks down the top contenders for anyone shopping for the best fiber optic cable, weighing real-world network scenarios against measurable performance specs so you stop guessing and start

Top 5 Fire Resistant Fiber Optic Cable Manufacturers | 2026 Guide

Sourcing Fire-Resistant Fiber Cable (OFNP/LSZH)? We rank the global Top 5 manufacturers (like Corning & Prysmian) and reveal how to get UL-compliant safety at factory-direct prices.

Fiber and Cable Stripper – Types, Uses & Guide

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Fiber & Cable Stripper for Fiber Tools 1. FOS03 Fiber strippers remove the coating from the fiber optic cable to expose the glass fiber. Also known as optical fiber cable strippers, they hold

Quality Bulk Multimode & Single Mode Fiber Optic Cables

Bulk Fiber Optic Cable - Multimode & Singlemode Shop our diverse range of bulk fiber optic cables, tailored for various networking needs. We provide both single-mode and multimode options, catering

fiber optic cable network shopping knowledge and exquisite ...

in fiber optic cable network shopping field, master practical knowledge is the key. There are proven methods for choosing everything from materials and prices to brands. A wealth of

Fiber Optic & Cable Standards Guide | FiberMania

Fiber optic networks are built on well-defined standards that ensure quality, performance, and interoperability. This article explains eight of the most

SFP+ Cables

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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