

Techniques for stripping the protective layer from the fiber tail



Overview

There are two basic methods to strip the coating: mechanical¹ and chemical. Coating residue may be removed using a lint-free pad soaked with high purity alcohol. The fibers supplied. □□ For purchasing, use the RP Photonics Buyer's Guide for fiber strippers. It provides an expert-curated supplier directory, buyer-focused technical background information, and structured selection criteria to support professional procurement decisions. Eventually, this imperfection can initiate a crack when the. 3SAE Technologies designs and manufactures a wide range of high performance fiber optic stripping tools. Proper cleaning of optical fiber is critical in all fusion splicing applications and particularly in high strength fusion. 3SAE Technologies designs and manufactures the most advanced, high. Fiber preparation for splicing and termination requires removal of a section of the protective cable elements, such as the jacket, armor (if present), and buffer tubes. Also known as optical fiber cable strippers, they hold cable within a slot, squeeze their jaws to press through the coating, and slide the coating off the end of the cable. Sharp-edged slots in the jaws.

Article Content

Nov 03, 2025

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.

Aug 09, 2025

How To Strip Armored Fiber Optic Cable

In your fiber optic cable assembly process, good stripping procedures are unquestionably essential. What happens if the fiber is damaged during the

Jan 07, 2026

Optical Fiber Splicing 01 - From Preparation To Cleaning

Fiber Protection: Avoiding nicks during stripping is crucial to prevent fiber failure.
Stripper Maintenance: Regular cleaning and replacement of damaged strippers

Sep 05, 2025

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. #instructional #fiberoptics #fiberF...

Dec 28, 2025

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.

Sep 05, 2025

Fiber Preparation

Fiber Optic Stripping: Our fiber optic strippers are designed to safely and efficiently strip the protective coating from the optical fiber. This is a vital step as fibers often

Nov 22, 2025

Fiber cable termination

Fiber Optic cable termination is the addition of connectors to each optical fiber in a cable. The fibers need to have connectors fitted before they can attach to other equipment.

Feb 08, 2026

Stripping (fiber)

Stripping is the act of removing the protective polymer coating around optical fiber in preparation for fusion splicing. The splicing process begins by preparing both fiber ends for fusion, which requires

Feb 02, 2026

Fiber Strippers - tools, mechanical, thermal, chemical,

Fiber strippers are precision tools that reliably and cleanly remove a defined length of coating (often 30-40 mm) from a fiber end so that the bare glass is exposed

Jan 09, 2026

The Ultimate Optical Fiber Stripper Guide

Explore Optical Fiber Stripper types and uses. Learn pro techniques for precise stripping to ensure reliable network performance with top tools.

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Fiber Strippers - tools, mechanical, thermal, chemical,

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

Oct 03, 2025

Fiber U Basic Skills Lab Workbook-termination

Clockwise from left: 3 mm jacketed cable, connector curing oven, epoxy, polishing plate, wipes, trash bin, crimper, Kevlar scissors, jacket stripper, fiber stripper, instructions and stripping guide.

Dec 28, 2025

Fiber Optic Tools To Terminate Fiber Optic Cables

Fiber Stripping Tools: Fiber stripping tools are used to remove the outer coatings and layers of a fiber optic cable, exposing the bare fiber. They ensure that the fiber is ready for the

May 20, 2026

Removal of Coatings from Short Fiber in Certain Sections

With several patents for fiber optic stripping, such as Burst™ Technology and the Ring of Fire®, 3SAE's state-of-the-art non-contact, chemical free coating removal solutions are ideal for the

Aug 03, 2025

Example of Stripping fiber for network data cabling

Use a fiber microscope to check for cracks or damage before proceeding to cleaving and termination. Always hold the fiber close to the stripping tool to prevent excessive bending.

Dec 26, 2025

Fiber U Lesson Plan: Basic Skills Lab, Remote

12. Your fiber is ready to be inserted in the splice or connector used in these exercises. Watch this to see how it's done: You have successfully completed this

Feb 09, 2026

Learning the Different Coating Stripping Methods

In comparison to dual layer coatings, the coatings that are single layer are more brittle and smooth. The coating can be removed readily using the conventional tools for fiber stripping such

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Fiber stripping

Fiber Stripping Tip: Fibers must be stripped of all protective coatings prior to inserting into a connector. Mechanical stripping, by far the most common method, consists of using tools with

Apr 08, 2026

Flyriver: Fiber Optic Strippers: A Comprehensive Guide

Fiber optic stripping, while seemingly simple, requires precision and the right tools. By understanding the different types of strippers, mastering proper techniques, and following safety precautions, you can

Jan 22, 2026

NKT Photonics App notes

This application note addresses general handling of fibers from NKT Photonics, including how to strip the protective coating, how to cleave the fibers and tips for coupling light to and from the fibers.

Aug 31, 2025

Fiber U Lesson Plan: Basic Skills Lab, Remote

Watch this to see how it's done: You have successfully completed this exercise when you have been able to strip the jacket and both buffer coating layers from the fiber

Jul 20, 2025

Fiber Preparation

This is a vital step as fibers often come with different types of coatings – from acrylate and polyimide to metal – each requiring specific techniques for effective

Apr 14, 2026

Care of Optical Fibers During Splice Preparation

The methods, techniques, and agents used during fiber cleaning and coating removal must be carefully chosen and controlled to ensure that fiber reliability is retained.

Jan 04, 2026

Fiber Handling and Coupling Guide

It covers various techniques for stripping, cleaving, splicing, and connecting fibers, emphasizing safety precautions and best practices for achieving high-quality

Sep 29, 2025

VHO-cables.ppt

Goal is to open cable and expose the fibers for splicing or termination without harming them. This involves stripping off the cable jacket, removing strength members and binders, and on OSP loose

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Fiber and Cable Stripper – Types, Uses & Guide

2. CFS-2 Fiber Cable Cutting Scissors the three-hole optical fiber cable cutting scissors uses a three-hole segmented stripper, which is small in size, light

Apr 22, 2026

Fiber Splicing & Winding Tutorial – Step-by-Step Guide

Learn fiber splicing and winding in 5 steps with pro tips on stripping, cleaving, fusion, and sleeve protection. Ensure low-loss, reliable fiber connections.

Jan 10, 2026

Stripping (fiber)

Fiber optical stripping can be done using a special stripping and preparation unit that uses hot sulfuric acid or a controlled flow of hot air to remove the coating. There are also mechanical tools used for

Contact Us

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