

How to peel off the coating on optical fiber cores



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. Because the gel is petroleum based, solvents and. 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 without scratching or nicking it. The fibers supplied. In this paper we report some experimental results concerning the stripping in any portion of the optical fibers at 10. Sharp-edged slots in the jaws. We work with 3SAE Technologies who has designed and manufactured a wide range of high performance fiber optic stripping tools for optical fiber coating removal, providing the most advanced line of high strength thermal mechanical strippers, non-contact high strength fiber optic strippers and the.



Article Content

May 01, 2026

OPTICAL FIBER COATINGS

ABSTRACT Optical fibers require protective coatings to prevent chemical attack and mechanical damage in the natural environment. Glass clad silica fibers, the most common type of commercial

Sep 15, 2025

Investigation of cladding and coating stripping methods for specialty ...

Fiber optic sensing technology is used extensively in several engineering fields, including smart structures, health and usage monitoring, non-destructive testing, minimum invasive sensing,

Nov 02, 2025

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.

May 02, 2026

Optical fiber splicing tutorial and splicing precautions

If there is a very small amount of coating that is not easy to peel off, you can use a cotton ball to dip an appropriate amount of alcohol, dipping it, and gradually wipe it off.

Aug 09, 2025

Fiber Optic Cleaning: A Comprehensive Guide

Fiber optic technology has revolutionized data transmission, providing faster, more reliable communication. However, for fiber optics to function at their

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Investigation of cladding and coating stripping methods for specialty ...

A general optical fiber consists of a core, cladding, and coating layers. Many sensing principles require that the cladding or coating layer should be removed or modified.

Apr 03, 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.

Apr 12, 2026

A Complete Guide for Optical Fiber Coating

1. Coating Function For standard-sized fibers with a cladding diameter of 125 μm and a cladding diameter of 250 μm , the polymer cladding accounts for 75% of the three-dimensional fiber volume.

Oct 14, 2025

Device for peeling optical fiber coating material

Positioned above the groove 710 of the fiber array base 700, this leaves the optical fiber 610 precisely in the groove 710 of the fiber array base 700, thus stripping the optical fiber...

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Microsoft Word

To remove the coating of the optical fiber we have used a CO2 laser coupled to a galvanometer scanner. We performed many tests at different scanning speed of the laser over the optical...

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The FOA Reference For Fiber Optics

Optical Fiber Fiber Optics is the communications medium that works by sending optical signals down hair-thin strands of extremely pure glass or plastic fiber. The

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Fiber and Cable Stripper – Types, Uses & Guide

When the aramid fiber in the optical cable is spliced, use fiber cable cutting scissors to cut it off. When cutting the outer optical cable, use a fiber cable

Oct 06, 2025

Method for removing a coating from a portion of optical fiber

In particular, the invention relates to a method for removing an acrylate coating layer from a portion of optical fiber so as to allow splicing, manufacturing of fused-fiber couplers, and writing of Bragg

Nov 29, 2025

Basic Components of a Fiber Optic Cable – trueCABLE

A fiber optic cable consists of five basic components: the core, the cladding, the coating, the strengthening fibers, and the cable jacket. When

Oct 08, 2025

Understanding the Components of Optical Fiber Cables:

Conclusion Understanding the components of Optical Fiber cables is crucial for choosing the right cable for your project and ensuring optimal performance. By

Jan 22, 2026

24 Core Fiber Fusion Splicing Sequence Diagram_NEWS_OPTICAL FIBER

Abstract The diagram of 24 core fiber fusion splicing sequence is an essential tool for engineers in the telecommunications industry. This article provides a detailed explanation of the sequence, covering

Dec 18, 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.

Jan 28, 2026

Detailed Explanation Of Fiber Optic Fusion Splicing

The preparation of fiber optic endface includes several parts of stripping, cleaning and cutting. Qualified fiber endface is

Feb 12, 2026

Optical Fiber Coatings Explained

This article continues FOC's latest series on optical fiber manufacturing processes, providing an overview of coatings for a wide range of

Aug 24, 2025

Inspection and Cleaning Procedures for Fiber-Optic

Introduction This document describes inspection and cleaning processes for fiber optic connections. It is important that every fiber connector be

Jun 16, 2026

Stripping Optical Fibers utilizing the Fujikura

Acrylate-coated fibers are ubiquitous in fiber optic applications. The traditional method for stripping such fibers involves utilizing a tool similar to a wire stripper.

Oct 05, 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

Jun 12, 2026

Does anyone know how to strip this last layer of coating

Remove a bit of coating with your miller (smallest hole if you have a 3 hole one, just don't snip it off, you need to feel where you get a grip of the coating), then hold

Aug 09, 2025

Fiber Strippers – tools, mechanical, thermal, chemical,

A fiber stripper is a precision tool used to remove the protective polymer fiber coatings from an optical fiber. This process exposes the bare glass without

Nov 11, 2025

(PDF) Investigation of cladding and coating stripping

Keywords: This study focuses on finding the cladding and coating stripping methods for four recent specialty optical Fiber optic sensor fibers, namely: hard polymer

Jul 31, 2025

The Ultimate Optical Fiber Stripper Guide

In conclusion, the optical fiber stripper is a foundational tool that sets the stage for every successful fiber optic connection. Its role in cleanly removing

Jan 13, 2026

Learning the Different Coating Stripping Methods

The cladding power stripper also referred to as the multimode optical power stripper is designed for amplifier applications and high power fiber laser. It is an ideal device for ASE, residual

Mar 07, 2026

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 the glass fiber. Also known as

Oct 12, 2025

Removal of Coatings from Short Fiber in Certain Sections

We provide fiber optic stripping tools for fiber coating removal, including end-stripping and mid-span tools, ideal for stripping hard to remove coatings.

Contact Us

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