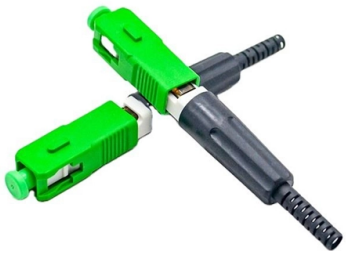
Function of optical cable stripper



Overview

Fiber and Cable Stripper – Types, Uses & GuideAlso known as optical fiber cable strippers, they hold cable within a slot, squeeze their jaws to press throu.

Key Takeaways

An optical cable stripper is a precision tool used to remove the protective coatings from fiber optic cables, exposing the bare glass fiber for splicing or connectorization.

Core Function

The primary function of an optical cable stripper is to safely and accurately remove the polymer coatings, buffer layers, and outer jackets from optical fibers without damaging the delicate glass core and cladding beneath. This is essential because any scratches, nicks, or stress fractures on the fiber can lead to signal loss, back reflections, or connection failure.

How It Works

Optical strippers typically feature precision-ground or laser-drilled notches calibrated to specific diameters. These notches allow the technician to strip different layers of the fiber: Outer jacket (1. 6–3 mm)Tight buffer (900 µm down to 250 µm)Acrylate coating (down to 125 µm glass cladding) The tool holds the fiber in a slot, applies controlled pressure, and slides the coating off, exposing the bare fiber for further processing.

Stripping can be done mechanically, thermally, or using plasma-assisted methods depending on the fiber type and application.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Applications

Optical cable strippers are used in: Fusion splicing: Preparing fiber ends for precise alignment and joiningConnector termination: Exposing the fiber for insertion into connectorsWindow stripping: Removing a short section of coating in the middle of the fiber for specialized applications like fiber Bragg gratings ImportanceUsing a proper optical fiber stripper ensures signal integrity and network reliability. Improper tools, such as generic wire strippers, can damage the fiber, leading to attenuation and potential failure over time. Professional-grade strippers are designed to handle various fiber diameters and coatings, making them indispensable for both field and laboratory fiber optic work.

Article Content

Fiber and Cable Stripper – Types, Uses & Guide

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

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

The Ultimate Optical Fiber Stripper Guide

What is an Optical Fiber Stripper and Why Is It Essential? At its core, an optical fiber stripper is a specialized tool engineered to precisely remove the

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

Fiber Stripper

A good quality cable wire stripper will safely and efficiently remove the outside jacket from an optical fiber cable or cable wire so that it helps you speed up the process

The Role And Importance Of Fiber Optic Strippers-

A fiber optic stripper is a specialized tool employed for the removal of protective coatings surrounding optical fibers to facilitate splicing, termination, or connectorization processes.

Fiber Stripper

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Mechanical fiber strippers for Large Diameter Fibers (LDF) for removing various coating materials from windows and fiber ends. Here you''ll find the full range of

Fiber Stripping Tools

Fiber strippers such as our JIC-1022, Wire Stripper 10-22 AWG, are designed to cut and strip the most commonly used stranded and single pair wires from 10 to 22

Tutorial: Passive Fiber Optics

When starting with a fiber cable, one first has to cut into the polymer jacket with the stripper tool and pull the end part of the jacket away. The tool can then also be used to strip off the polymer buffer from the

2X Fiber Optic Cable Stripper Practical Multi Functional ...

Shop 2X Fiber Optic Cable Stripper Practical Multi Functional Adjustable Blade Depth Fiber Optic Drop Cable Slitter for FTTH. Free delivery on eligible orders of £20 or more.

Optical Fiber Drop Cable Stripper

Pacific Infra And Corporate Solutions - Offering low price Optical Fiber Drop Cable Stripper in Azadpur Road, New Delhi with product details & company information.

Fiber Stripper

As the most common used fiber optic stripper, mechanical strippers usually includes fiber jacket stripper, loose tube stripper and the buffer & coating stripper. Fiber

How to Choose the Right Fiber Stripper for Your Fiber Optic Cables?

Discover the critical role of fiber strippers in maintaining cable integrity, splicing quality, and minimizing signal loss. Learn key features for selection, compatibility considerations, ergonomic

Cable strippers perform basic but important functions

Sellers explains that many strippers can accommodate several kinds of cable, including coaxial, fiber-optic, and unshielded twisted-pair (utp). He adds, however, that some of the utp products designed

The Introduction to Common Tools and Using Methods

The building and maintenance of optical cables in the intelligent industry has gradually expanded with the rapid expansion of the Internet of

Amazon : Fiber Optic Tools

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Signal fire Fiber Optic Stripper, 9 in 1 Fiber Optic Stripper Tool, Wire Cutters Pliers Electrician Tools for Wire Stripping Cutting & Cleaning, Fiber Cable Stripping Tool for Technicians 50+ bought in past

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

The Finesse of Fiber Optic Strippers | SDM Magazine

The typical strippers included with fiber optic tool kits are of the inexpensive variety, and often may need to be adjusted as the stripping slot may have left the factory with a diameter opening

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved