

What tools are used for stripping optical fibers



AI Overview

Optical fibers are stripped using mechanical, thermal, plasma-assisted, and specialized hand tools designed to remove coatings without damaging the glass core.

Mechanical Fiber Strippers Mechanical strippers are the most common tools for fiber preparation. They feature precision-ground or laser-drilled holes that match the fiber's coating diameter, allowing the technician to remove the polymer coating cleanly. These tools are available in handheld pliers-style strippers for standard fibers (125 μm cladding with 250 μm coating) and for tight-buffered fibers (900 μm) or plastic optical fibers. Multi-notch designs allow stripping of different layers, such as the primary coating, secondary coating, or outer jacket, in a single tool operation.

Thermal Fiber Strippers Thermal strippers use controlled heat to soften the fiber coating, enabling gentle removal without mechanical stress. They are particularly useful for sensitive fibers or laboratory applications where precision is critical. Adjustable temperature and timing settings allow customization for different coating materials, such as acrylate, silicone, or polyimide.

Plasma-Assisted and Automated Strippers For high-volume or specialized applications, plasma-assisted stripping machines remove coatings up to 1200 μm in diameter without contact, preserving fiber strength. Fully automated units can perform end stripping or window stripping for fiber Bragg gratings and other precision tasks, eliminating the need for chemical stripping.

Specialized Hand Tools Adjustable optical fiber strippers allow manual setting of blade diameter for non-standard or legacy fibers. Flat drop cable strippers are designed for FTTx installations, efficiently removing outer jackets without damaging internal fibers or strength members. Fiber buffer stripping kits include multiple blade sets, fiber guides, and grippers to ensure consistent, safe stripping f...

Article Content

Fiber Stripping Tools

Jonard Tools manufactures more than a dozen fiber optic stripping tools that will suit a broad range of fiber optic cabling. Fiber strippers such as our JIC-1022, Wire

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.

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

Fiber Optics Stripping, Cleaving, Splicing, Recoating, Tapering

Fiber Optics Cleaving and Stripping Tools available from StockAMS Technologies offers the full range of must-have tools for field or production – including processing and preparation tools for several types

The best fiber optic stripping tools

Mechanical wire strippers are cheap and easy to use, so they are the tool of choice for manually stripping optical fiber coatings. So today TheFo will talk to you about mechanical fiber strippers.

Fiber Optic Termination Tools

Furcation Stripping Tools and Replacement Blades: Used to Remove the Fiber Jacket from an Optical Fiber, for Ø3 mm and Ø3.8 mm Fiber Jackets Connector

Amazon : Fiber Optic Tools

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 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.

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

The Complete Guide to Fiber Optic Tools: Splicing, Cleaving, and ...

Master your FTTx installations with Weunion's guide to fiber optic tools. Explore high-precision strippers, cleavers, fusion splicers, and testing gear for 2026.

Fiber and Cable Stripper – Types, Uses & Guide

When should certain fiber optic tools be used? Almost every aspect of fiber optic installation requires specialized tools, for example, strippers, Cutting,

Tutorial Passive Fiber Optics, Part 13: Fiber Accessories and Tools

Tutorial on passive fiber optics. Part 13 discusses fiber accessories and tools for stripping, cleaving and splicing of fibers, fiber connectors, adapters and inspection equipment.

FiberShack

FiberShack - 3 Hole Fiber Stripper Tool with 6" TPR Handle - Fiber Optic Stripper includes 1.5mm Hex Key for Fine Adjustments - Amazon Created for Fiber Professionals, by Fiber Professionals - FiberShack's goal is to provide installers and enthusiasts with access to reliable & high quality Fiber Optic equipment, at

Optical Fiber Strippers

Our range of optical fiber strippers extends from handy, pocket-sized tools to fully automated plasma-assisted stripping machines. In addition to a wide range of fiber stripping pliers and fiber strippers,

Fiber Cable Stripping Tools: A Comprehensive Guide

This guide explores the diverse range of fiber cable stripping tools, their applications, and best practices for their use. Understanding Fiber Optic Cable Construction

Wiley Online Library

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Fiber Optic Splicing: Examining the Factors that Affect

Learn the the intrinsic and extrinsic factors that can impact fiber optic splice performance and how you can create the best fiber optic network.

Tutorial Passive Fiber Optics, Part 13: Fiber

Tutorial on passive fiber optics. Part 13 discusses fiber accessories and tools for stripping, cleaving and splicing of fibers, fiber connectors, adapters and

Jonard Tools | World's Best Tool Warranty

It includes a rugged backpack and a variety of tools for multiple applications such as stripping, ringing, cutting, cleaning, and preparation of fiber optic cable.

Fiber Optic Strippers | Fiber Termination Tools

Features Standard Fiber Strippers in a Variety of Sizes The F-STR-152, -175, -203 and -305 Fiber Coating Strippers are for reliable stripping of virtually any size

Fiber Optic Termination Tools

These fiber buffer stripping tools provide a quick, easy, and reliable way to remove the buffer from an optical fiber in preparation for connectorization. A fiber guide

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.

Paladin Tools FTK-B Fiber Optic Tools Kit | Cut, Strip,

The Paladin Tools FTK-B Basic Fiber Optic Tool Kit provides the common tools needed to satisfy varying tasks that the fiber optic technician may encounter in a

Contact Us

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