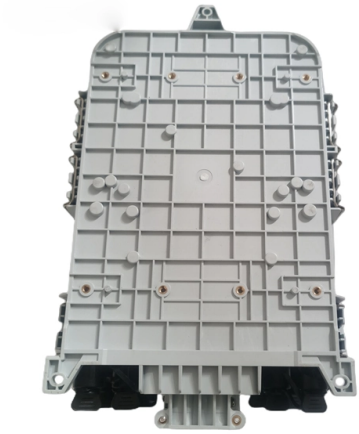
Practical Tools for Optical Cable Stripping



Overview

Fiber optic installation and cleaning tools for LC, SC, ST, FC, and MTP/MPO connectors. Cleaning, cutting, and stripping tools.

Key Takeaways

Optical cable stripping requires precision tools such as mechanical strippers, hot knives, and specialized cable slitting devices to safely remove coatings, buffers, and jackets without damaging the fiber.

Types of Fiber Stripping Tools

Mechanical Fiber Strippers: These are handheld tools designed to remove polymer coatings from optical fibers, typically 30–40 mm in length, exposing the bare glass for splicing or connectorization. They are available for standard telecommunication fibers (125 µm cladding, 250 µm coating) and specialty fibers with thinner coatings. Some strippers also handle tight buffers (900 µm) and larger cable jackets.

Mechanical strippers often include fiber guides and matched blades to ensure precise, nick-free stripping. Thermal and Hot Knife Strippers: Tools like the Industrial Fiber Optics Heavy Duty Fiber Optic Hot Knife use heat to remove coatings cleanly, especially useful for thicker or specialty fibers. These tools minimize mechanical stress on the fiber and are suitable for high-volume or industrial applications.

Cable Jacket and Loose Tube Strippers: For larger cables, tools such as the Jonard CST-4000 or ACS Armored Cable Slitter allow longitudinal, spiral, or circular cuts to remove outer jackets, aramid yarn, or armor. Adjustable blade depth ensures the fiber inside is not damaged. Coaxial and loose tube strippers can handle diameters from 0–14 mm, with transverse and longitudinal cutting capabilities.

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Multi-

Function Kits: Kits like Thorlabs' TSK1 include multiple blade sets, fiber guides, and jacket strippers in a compact case. They often feature color-coded blades for quick identification and ergonomic handles for secure gripping without microfractures.

Practical Usage Tips

Select the correct tool for the fiber type and coating diameter to avoid nicking the glass. Strip in short lengths (typically ≤50 mm) to prevent fiber damage. Clean the fiber after stripping using lint-free wipes and high-purity alcohol or dedicated fiber cleaners.

Use grippers or guides to hold the fiber securely during stripping, avoiding wrapping or clamping that can create microfractures. Adjust blade depth for cable jackets or armored fibers to ensure precise cuts without harming the internal fibers.

Summary

For effective optical cable stripping, professionals rely on a combination of mechanical strippers, thermal tools, and specialized cable slitting devices, often integrated into multi-function kits. Choosing the right tool depends on fiber diameter, coating type, and cable construction, while proper handling and cleaning ensure optimal fiber performance and longevity.

Article Content

Fiber Strippers – tools, mechanical, thermal, chemical,

The main types include mechanical handheld tools with precise blades, thermo-mechanical strippers that use heat to soften the coating, non-contact methods

Fiber Optic Cable Cutting Machines Stripper Tools

The Cable Cutting Machines & Stripper Tools category features a comprehensive selection of manual, semi-automatic, and fully-automated fiber cable tools designed for precision cutting and stripping of

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Fiber optic installation and cleaning tools for LC, SC, ST, FC, and MTP/MPO connectors. Cleaning, cutting, and stripping tools. Performance-tested and

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.

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Our fiber optic stripping tools are meticulously designed for clean, consistent results without damaging delicate fibers. With reliable performance and rugged

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 Optic Cable Stripping Tools and Equipment

Shop our fiber optic cable stripping tools, essential for removing cable jackets, aramid yarn, and buffers to ensure optimal fiber otic performance.

Fiber Optic Strippers | Cable & Wire Stripping Tools

Precision fiber optic strippers and cable tools for fast, accurate buffer removal. Choose from a variety of reliable, cost-effective wire stripping options.

Best Fiber Optic Cable Tools for Pro-Grade Splicing and Testing

This article highlights five top tools that cover cutting, stripping, cleaning, testing, and fault locating. Each product is chosen for versatility, build quality, and ease of use in fieldwork across FTTH

Fiber tools | Melbye

Fiberoptic buffer tube stripper for up to 3.1 mm tubes. Adjustable blades can be set for any depth to help ensure nick-free strips. Buffer Tube Strippers with

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Accurate cable stripping is the foundation of every successful fiber optic installation. Our fiber optic stripping tools are meticulously designed for clean, consistent

Fiber U Lesson Plan: Basic Skills Lab, Remote

Lesson: Stripping Optical Fiber Cable Objectives: From this lesson you should learn: How to use these tools to strip cable to the bare fiber Tools: Safety Glasses Fiber Stripper Kevlar Shears Components:

Fibre Optic Termination Tools

As a professional, Fibre Optic termination kits are an important item for any optical fibre cable installer. If you are working in an office or commercial fibre optic fit-out, a telephone cabling system or general

Fiber Cable Stripping Tools: A Comprehensive Guide

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Fiber Cable Stripping Tools: A Comprehensive Guide The delicate nature of fiber optic cables requires specialized tools for proper handling, especially when it comes to stripping away the protective layers

FiberShack

QUALITY DESIGN - Every fiber optic cable stripping tool has a Thermoplastic handle and is tested after production to ensure a consistent high quality cut out of the box CUT DEPTH RANGES: Hole 1 - 1.6 > 3 mm fiber jacket cuts down to the 600 - 900 micron buffer coating. Hole 2: strips the 600-900 micron buffer

Fiber Optic Cable Tools

FS offers a range of cable tools, such as cable stripper, cable slitter, cable cutter for fiber or copper cables

Preparing your Fiber Optic Cable for Connectors or Splices

Learn the essential steps and tools for preparing fiber optic cables for connectors or splices. Master mechanical and fusion splicing techniques to

trueCABLE''s Fiber Optic Cable Strippers: The Essential Tool for Fiber

Precise fiber optic stripping matters. See trueCABLE''s 3-hole Fiber Optic Stripper features, safe use tips, and step-by-step guide for flawless terminations.

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