Practical Optical Cable Stripping Tools



Overview

Our fiber optic stripping tools are meticulously designed for clean, consistent results without damaging delicate fibers.

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 Stripping Tools – trueCABLE

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

Fiber Optic Tools | Fiber Optic Cleaning | trueCABLE

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

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 and Cable Stripper – Types, Uses & Guide

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Learn how to use fiber strippers, cable cutting scissors, and armored cable slitters. Discover their applications in fiber splicing, cable prep, and FTTH.

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

7 Best Fiber Optic Stripping Tools Review & Buying Guide 2025

Looking for the best fiber optic stripping tool? Our 2025 review covers the top 10 models, helping you find the perfect tool for your networking projects.

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 Cable Strippers

Proper stripping of the fiber cable jacket is essential to expose the fiber without causing damage, which is crucial for successful fiber splicing. Explore our

Fiber and Cable Strippers

Shop optical fiber and cable strippers including buffer, thermal and standard stripping tools from trusted brands like AFL, Fitel, Jonard, Miller and more!

Fiber U Lesson Plan: Basic Fiber Optic Skills Lab

Lesson 3: Fiber Optic Cable And Fiber Preparation Objectives: From this lesson you should learn: How to identify typical fiber optic cables How to prepare cables for

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

Fibre Optic Tools for NBN & FTTP | AusOptic

A range of fibre optic tools used in FTTP and NBN FTTH work, including fibre strippers, drop cable slitters, and installation equipment.

Fiber Cable Stripping Tools: A Comprehensive Guide

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

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

A fiber optic cable stripper is one of the most essential tools in bulk fiber optical cable preparation. When working with fiber optic strands, an entirely new level of precision is required for

Fibre Optical Stripping Tool, Strip Fibre Cable | Blake UK

Achieve precise stripping of fibre optic cables with the Fibre Optical Precision Stripping Tool. Ideal for accurate and efficient cable preparation, ensuring high

Stripping & Cutting Tools For Fiber Optic Cable

Ripley professional grade Stripping & Cutting Tools For Fiber Optic Cable feature scribes and cleavers, cable strippers and cutters.

Amazon : Fiber Optic Cable Tools

Fiber optic termination tool kit with fiber optic Cold Welding cleaver and 3-port Fiber optic stripper FTTH Fiber optic cable stripping pliers tool bag You pay $36.93 with coupon Add to cart

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

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