# What types of optical cable stripping tools are there




## Overview

Fiber and Cable Stripper – Types, Uses & Guide Learn how to use fiber strippers, cable cutting scissors, and armored cable slitters. Discover their applica.

## Key Takeaways

Optical fiber cables are stripped using specialized mechanical, thermal, or chemical tools designed to remove protective coatings without damaging the glass core.

### Mechanical Fiber Strippers

Mechanical fiber strippers are the most common tools used in the field. They feature precision-ground or laser-drilled holes that match the fiber's coating diameter, allowing technicians to remove the buffer and acrylate coatings cleanly. Standard three-notch strippers can handle most 125 µm cladding fibers with 250 µm coatings, while adjustable strippers allow customization for non-standard or legacy fibers.

These tools are essential for preparing fibers for fusion splicing or connector termination and prevent nicks or scratches that could cause signal loss or back reflections.

### Thermal and Thermo-



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## Mechanical Strippers

Thermal strippers use heat to soften the fiber's coating before removal. This method is particularly useful for delicate fibers or laboratory applications where minimal mechanical stress is required. Thermo-mechanical strippers combine heat with mechanical pulling to ensure precise and gentle stripping, often used in manufacturing or high-precision installations.

## Specialized Strippers

Flat Drop Cable Strippers: Designed for FTTx installations, these tools remove the outer jacket of flat drop cables without damaging internal fibers or strength members. Plastic Optical Fiber (POF) Strippers: Tailored for fibers with larger or non-standard coatings, ensuring clean removal without cracking the fiber. Bare Fiber Grippers: Tools like the BFG1 provide a secure hold on the fiber during stripping, reducing the risk of microfractures caused by clamping or wrapping.

## Chemical and Non-

## Contact Methods

Some applications use chemical solvents or acids to strip coatings, while advanced non-contact methods like laser ablation or hot air can remove coatings without direct mechanical contact. These methods are typically used in specialized laboratory or industrial settings.

## Additional Tools

Fiber cable cutting scissors and jacket strippers are often used alongside fiber strippers to remove outer sheaths and cut aramid yarns cleanly. Kits like the TSK1 include multiple blade sets and fiber guides for different fiber diameters, providing a complete solution for connectorization and splicing. In summary, choosing the correct stripping tool depends on the fiber type, coating thickness, and application, with mechanical, thermal, and specialized tools forming the core of fiber optic cable preparation.

Proper use ensures signal integrity and reliable network performance.

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## Article Content

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.

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

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 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

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.

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 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 Optic Stripping Tools – trueCABLE

Each product page lists compatible accessories, connectors, and tools. You can also browse our Terminations, Tools, and Cable Management collections to find

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 and matched blades ensure that the

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A Detailed Insight into Fiber Stripping Tools

Primary fiber stripping tool types. Tool for manual stripping: It is easy to use and handy to manually remove the outer coating of the optical fiber using a blade. Electric peeling tool: An

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

Optical Fiber Tool Fiber Optic Stripper Three Hole Stripper ...

The scale is clear. Upgraded spring, widened blade, PVC anti-slip handle. Three hole wire stripping pliers are mainly used to strip 125um-250um optical fiber core coating.

Fiber Cable Stripping Tools: A Comprehensive Guide

Fiber cable stripping tools are essential for anyone working with fiber optics. Understanding the different types of tools, their applications, and best practices is crucial for ensuring successful installations and

Types of wire stripper tool and how to use them.

2. Optical Fiber Stripping Pliers: Specifically designed for cutting and stripping the coating from optical fibers. 3. Drop Cable Stripping Pliers: A professional tool for FTTH (Fiber to the Home)

Stripping It Down: Types of Wire Strippers and Their Uses

What is a Wire Stripping Tool? A wire stripping tool, commonly known as a cable stripper or wire stripper, is an essential device used to remove the insulation covering wires without damaging the

Fiber Cable Strippers

Fiber-Life offers a variety of fiber strippers, each designed to play a crucial role in the fiber optic cable splicing process. A high-quality fiber cable stripper safely and

Fiber Optic Stripping Tools – trueCABLE

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

Top 7 Must-Have Tools for Fiber Optic Technicians

A diagonal cutting plier is a specialized cutting tool designed for precisely cutting various types of cables, including fiber optic cables. Also known as cutters or

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