

What tools are good for stripping tail fibers



Overview

Stripping Tools When stripping fiber optic cable, a professional quality stripping tool makes your job easier by providing a clean cut.

Key Takeaways

Mechanical fiber strippers, thermo-mechanical strippers, and automated bench-top systems are commonly used to safely remove coatings from tail fibers without damaging the glass core. Mechanical Fiber Strippers

Mechanical handheld strippers are the most common tools for tail fibers. They feature precision blades that remove the polymer coating over a defined length, typically 30–40 mm, exposing the bare glass for splicing or connectorization. These strippers are available in various sizes to match standard fiber diameters (125 μm cladding with 250 μm coating) and specialty fibers with thinner coatings. Some models also handle tight buffers (900 μm) or larger jackets used in fiber cables .

Thermo-Mechanical Strippers

Thermo-mechanical strippers use heat to soften the fiber coating before removal. This reduces the risk of nicking or scratching the glass, which is especially useful for delicate or specialty fibers. They are ideal for applications requiring high precision, such as creating fiber Bragg gratings or mid-span window strips .

Automated Bench-Top Systems

For high-volume or production environments, automated systems like the AutoStrip II provide chemical-free, repeatable stripping. These systems control parameters such as stripping distance, burst temperature, and pulling speed, accommodating fiber diameters up to 1,000 µm. They are suitable for mid-span window stripping and high-strength fibers, ensuring debris-free results and consistent quality .

Additional Tools

- **Fiber Cable Cutting Scissors:** Used to cut aramid fibers or outer sheaths after stripping .
- **Bare Fiber Grippers:** Provide secure handling of the fiber during stripping to prevent microfractures .
- **Specialty Pliers and Kevlar Cutters:** Useful for handling reinforced fibers or multi-layered cables .

Choosing the Right Tool

When selecting a tool, consider:

- Fiber type and coating thickness
- Required strip length
- Precision needed for splicing or connectorization
- Volume of fibers to process (manual vs automated) Using the correct tool ensures clean, damage-free fiber ends, which is critical for optical performance and long-term reliability.

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

Stripping Tools

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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

Fiber Optic Stripping Tools – trueCABLE

Accurate cable stripping is the foundation of every successful fiber optic installation. Our fiber optic

How to use fiber optic termination tools

How to use fiber optic termination tools There are a number of commonly used tools that are utilized to terminate a fiber optic cable

Fiber Stripping Tools

Trusted since 1958, Jonard's Fiber Stripping Tool is a must-have for all fiber technicians. Shop Jonard's

Best stripping tool? : r/FiberOptics

Some of the fiber I'm working with is .5mm diameter with a plastic sheath, and it's thinner than my smallest wire stripper. Can anyone

AFL Precision Strip Tool: Fast, Simple, and Accurate F | AFL Global

The AFL Precision Strip Tool is a fast, simple, and accurate solution for stripping fiber without damage. It is battery-powered and

The best fiber optic stripping tools

Mechanical wire strippers usually have a V-shaped incision for cutting and stripping the fiber coating. Mechanical wire strippers are

Essential Tools for Stripping Fiber Cable: A Comprehensive Guide

The tools used for stripping, such as the Fusion Splicer, play a significant role in achieving clean and precise results.

AFL Precision Strip Tool: Fast, Simple, and Accurate F | AFL Australia

The Precision Strip requires less than a pound of peak force for stripping coated fiber. The result is no fiber damage and higher

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