Fiber optic strippers for cleaning and stripping fiber optic cables

Overview

Fiber Stripping Tools Jonard Tools manufactures a large range of fiber optic stripping tools specifically designed for technicians in the fiber optics indu.

Key Takeaways

Fiber optic cables must be stripped carefully using precision strippers to remove protective coatings without damaging the glass fiber.

Understanding Fiber Optic Strippers

Fiber optic strippers are specialized hand tools designed to remove multiple layers of protective coatings from optical fibers, including the outer jacket, aramid yarn (strength members), buffer coating, and acrylate coating that protects the glass core and cladding. Unlike copper cable strippers, fiber strippers require high precision because even microscopic nicks or scratches can compromise signal integrity. Professional-grade strippers have multiple precision-ground or laser-drilled notches for different fiber diameters, typically 250µm, 900µm, and 125µm cladding.

Step-by-

Step Stripping Process

Prepare the Cable and ToolsWear safety glasses to protect your eyes from fiber shards. Use a sharps container for fiber scraps. Select the correct stripper groove for the layer you are removing (outer jacket, buffer, or acrylate coating),.

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Strip the Outer Jacket

Measure about 2 inches (50mm) from the cable end. Place the cable in the largest groove of the stripper and gently squeeze to cut the jacket without nicking the fibers. Pull off the cut piece to expose the aramid yarn and buffer layers.

Cut Aramid Fibers

Use Kevlar scissors to trim the aramid yarn close to the jacket end, exposing the tight-buffered fiber.

Strip the Buffer Coating

Hold the fiber at a 45-degree angle to reduce stress. Strip the buffer in small increments (about 6–8mm at a time) to avoid breaking the fiber. If your stripper has multiple grooves, use the second groove for the 900µm buffer and the smallest groove for the 250µm coating.

Repeat until the 125µm cladding is exposed.

Clean the Fiber

Wipe the stripped fiber with a lint-free cloth and alcohol to remove debris. Ensure the fiber is free of scratches or nicks before cleaving or connector termination.

Tips and Best Practices

Take small, controlled cuts rather than trying to remove too much coating at once. Practice on spare fiber to develop a steady hand and proper angle. Use high-quality, professional strippers to minimize the risk of fiber damage.

Dispose of fiber scraps safely to prevent injury. By following these steps and using the correct tools, you can strip fiber optic cables safely and accurately, ensuring reliable splicing or connector termination.

Article Content

Fiber Stripping Tools

Jonard Tools manufactures a large range of fiber optic stripping tools specifically designed for technicians in the fiber optics industry. Jonard Tools is committed to

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 Cable Stripping Tools and Equipment

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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 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 Stripper

Fiber strippers and other fiber optic stripping tools with which you prepare your fibers for splicing. Thermal strippers with adjustable temperature and time settings.

The FOA Reference For Fiber Optics

The holder is inserted in a special stripper that uses heat to make stripping easier. After stripping, the holder is placed in a special cleaver that will cleave all 12

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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 Tools

The global leader in fiber optic tools, Jonard has been trusted since 1958. Shop now for fiber tools such as strippers, duct cutters, cleavers, mid-span slitter & more.

The Ultimate Optical Fiber Stripper Guide

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An Optical Fiber Stripper is arguably the most fundamental hand tool for any technician working with fiber optic networks. In an industry where

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

Fiber Optic Termination Tools

To strip a fiber, the coating should first be exposed to a stripping liquid such as a paint stripper for three to five minutes. Placing the stripping liquid in a long vessel

Fiber Strippers – tools, mechanical, thermal, chemical, plasma,

Fiber strippers are precision tools that remove a coating from a fiber before connectorization or splicing. There are mechanical, thermal and non-contact strippers.

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

Designed for field work, this automated stripper performs coated fiber stripping tasks quickly and precisely, ensuring optimal performance and reliability for your fiber

Fiber-Optic Tools | McMaster-Carr

Cut and strip fiber-optic cable. 2 Pieces— 2-piece kits include a wire cutter with high-carbon stainless steel blades that are strong enough to cut through optic fibers, wire insulation, and cable ties. They

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

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