

Tools for cutting large optical cables



AI Overview

Fiber optic cables require specialized cutting tools such as cleavers, precision cutters, and pliers to ensure clean, accurate cuts without damaging the fiber core. Types of Cutting Tools

1. Fiber Optic Cleavers High-precision cleavers are designed to create a perfectly flat, perpendicular end-face on optical fibers, which is critical for fusion or mechanical splicing. They operate on a "scribe and break" principle, using a sharp diamond or tungsten carbide blade to make a microscopic scratch, then applying tension to break the fiber cleanly. This ensures minimal signal loss and high-quality splices, with end-face angles typically less than 0.5 degrees.
2. Precision Fiber Optic Cutters These cutters are used for mid-span access, trimming jackets, or cutting small-diameter fibers. They often feature high-hardness alloy or stainless-steel blades, adjustable blade spacing for different cable diameters, and ergonomic handles for repeated use. They can handle single-core fibers, multi-core cables, and armored cables while minimizing crushing or deformation of the fiber.
3. Pliers and Basic Cutting Tools For plastic optical fibers or short-distance applications, simple tools like sharp knives or specialized pliers can be sufficient. Tools like the Wiesemann & Theis pliers cut duplex plastic fiber optic cables cleanly without additional grinding or polishing, though they are not suitable for glass fibers. High-carbon stainless steel pliers can also cut Kevlar-reinforced cables and cable jackets, often included in multi-piece fiber optic tool kits.

Key Considerations

Material Compatibility: Ensure the tool is suitable for the type of fiber (plastic vs. glass). Using the wrong tool can damage the fiber or the cutting element.

Cut Quality: A flat, perpendicular cut reduces light loss and improves connection stability. Cleavers provide the highest precision, while basic cutters are acceptable for short-range or non-critical applications.

Cable Diameter: Adjustable blades or multiple tool sizes allow cutting of different cable diameters, from small single-core fibers to thick mult...

Article Content

Paladin Tools FTK-B Fiber Optic Tools Kit | Cut, Strip,

Product description Paladin Tools FTK-B Fiber Optic Tool Kit by Tempo Communications The Paladin Tools FTK-B Fiber Optic Tool Kit by Tempo

Fiber Optic Cutters

Fiber optic cutters are typically used to precisely cut optical fibers to ensure a high quality connection during fiber optic joining and installation. These tools are well

Amazon : Fiber Optic Tools

Signal fire Fiber Optic Stripper, 9 in 1 Fiber Optic Stripper Tool, Wire Cutters Pliers Electrician Tools for Wire Stripping Cutting & Cleaning, Fiber Cable Stripping Tool for Technicians 50+ bought in past

Fiber Optic Termination Tools | Precision Fiber Cable

These tools are designed for stripping, slitting, and cutting various fiber optic cables with accuracy, ensuring optimal cable preparation for termination or splicing.

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

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 splitter & more.

Fiber-Optic Cable Cutters | McMaster-Carr

Choose from our selection of fiber-optic cable cutters, including sawing, cutting, and scraping, fiber-optic tool kits, and more. Same and Next Day Delivery.

Fiber Cable Cutters, Kevlar Cutters, Side Cut Pliers & More

High quality heavy duty fiber cable cutters, Kevlar fiber strength member cutters, scissors/snips kits for fiber optic technicians, hot plastic fiber cutters & more.

weunion Fiber Cable Cutter | High-Speed Precision

Achieve fast, clean cuts on optical fiber cables with the weunion Fiber Cable Cutter – a high-performance tool designed for precision and efficiency in FTTH,

Amazon : Fiber Optic Tools

Check each product page for other buying options. Price and other details may vary based on product size and color.

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

Fiber Optic Tools & Tool Kits

Light Brigade offers a wide variety of fiber optic tools and tool kits from leading manufacturers, including Jonard Tools, Ripley/Miller, and Ideal Industries to offer

Product catalog of the company Rennsteig Werkzeuge GmbH

Tools for fibre-optic cables - Quality tools for construction and industry Filter

AshwinD24's gists · GitHub

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Amazon : Fiber Optic Cable Tools

Fiber Optic Termination & Cleaning Kit - Visual Fault Locator Fiber Optic Cable Tester, Optical Power Meter, Cleaner, Cleaver, Stripper - Multi Tester Tools Set Add to cart

Fiber Optic Cutting Tools - trueCABLE

Our fiber optic cutting tools are engineered for clean, effortless cuts, reducing installation time and protecting your cables from damage. Designed with both

Fiber Cleaver FTTH Fiber Optic Tools High Precision 6C Cable Cutting ...

6C series high precision optical fiber cutter is the new type of optical fiber cutter, angle, fiber excellent fracture surface, the operation is simple, the use is more convenient, greatly improving the working

Amazon : Fiber Cutter

Signal fire Fiber Optic Stripper, 9 in 1 Fiber Optic Stripper Tool, Wire Cutters Pliers Electrician Tools for Wire Stripping Cutting & Cleaning, Fiber Cable Stripping Tool for Technicians 100+ bought in past

Fiber Optic Cable Tools

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

Procedure for Cutting and Respooling Fiber Optic Cable

GENERAL 1.1 Improper use of a respooler (Figure 1) can cause damage to a cable jacket or result in wavy fiber in tight buffered cables due to cable crossovers or excessive tensile loading. This

Amazon : Fiber Cleaver

Fiber Cleaver FTTH Fiber Optic Tools High Precision 6C Cable Cutting Fiber Optic Knife Tools Fiber Cleavers 12 Surface Blade Add to cart

Fiber Optic Cutters – A Key Component of Precision

A modern workflow doesn't rely on a single tool—it relies on a set of specialized Fiber Optic Tools. Fiber Optic Cutters work hand-in-hand with

Amazon : Fiber Cutter

Check each product page for other buying options. Fiber optical thermal stripper M9 is suitable for 1-48 cores, compatible bare fiber/bundle and ribbon fibers, Dual heating mode and 8-level temperature

Top 7 Must-Have Tools for Fiber Optic Technicians

This article outlines some essential tools for a Fiber Optic Technician, as well as their functionalities.

Fiber Cable and Microduct Rotary Cutting Tools – PPC

These PPC Rotary Cutters are spring loaded radial cutting tools for cutting a wide range of fiber cable, microduct and tube products. They are ideally suited to

Fiber Optic Cutting Tools – trueCABLE

Fiber Optic Cutting Tools Precision cutting is critical in fiber optic work, and our tools are built to excel under pressure. Our fiber optic cutting tools are engineered for

Cutting Tools

International distributor for fiber optic components, equipment and accessories while providing invaluable technical consultation and support.

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