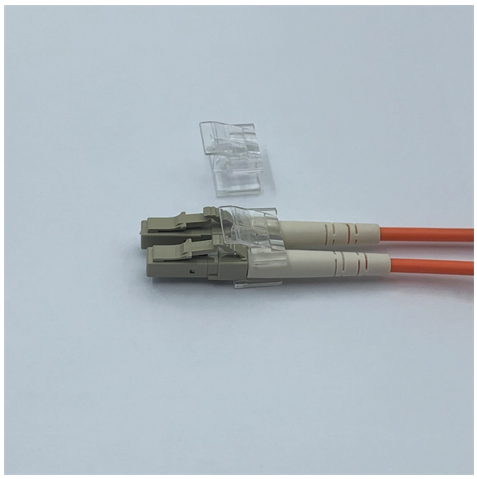
Fiber Optic Cable Cutting Board



Overview

Fiber Optic Cutter is utilized to cut the aramid yarn of the fiber optic cable to prepare it for fusion splicing or direct termination with a fiber optic connector.

Key Takeaways

Fiber optic cable cutting requires specialized tools like cleavers, Kevlar cutters, and slitting boards to ensure precise, clean cuts without damaging the fiber. Types of Fiber Optic Cutting Tools1. Fiber Optic Cleavers: High-precision cleavers are designed to create a perfectly flat, perpendicular end-face on the fiber, essential for fusion or mechanical splicing.

They operate on a "scribe and break" principle, using a sharp blade to score the fiber and then applying tension to break it cleanly. Features often include multi-position blades, automatic scrap collectors, and universal fiber holders for 250µm to ribbon fibers. 2.

Kevlar and Aramid Cutters: Kevlar cutters, such as the Jonard JIC-186 or Miller KS-1, are used to cut the strength members inside fiber cables without fraying. These tools have serrated or micro-serrated high-carbon steel blades and ergonomic handles for field use. They are ideal for cutting Kevlar, Dyneema, or aramid yarns in fiber optic cables.

3. Cable Slitters and Strippers: Tools like the FOD-2000 Fiber Optic Drop Cable Slitter or MS-6 Mid Span Slitter allow technicians to slit or ring the cable jacket without damaging the internal fibers. Adjustable depth and dual-side slitting ensure safe access to the fiber for mid-span or end-section preparation.

4.

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Multi-

Function Prep Kits: Kits such as the Jonard TK-120 include a combination of fiber strippers, Kevlar cutters, slitting tools, pliers, and other accessories in a rugged carrying case. These kits are designed for field technicians to prepare fiber optic cables for termination efficiently. 5.

Specialty Cutting Boards or Razor Cutters: For plastic optical fibers (POF), razor cutters or cutting boards provide low-attenuation finishes. These tools often include precision blocks for angled cuts and disposable or replaceable blades to maintain clean terminations.

Key Considerations

Precision: High-quality cleavers and cutters prevent signal loss and back reflection. Durability: Hardened steel or tungsten carbide blades extend tool life. Ergonomics: Comfortable handles reduce fatigue during repeated cuts.

Cable Compatibility: Ensure the tool matches fiber type (single-mode, multi-mode, armored, or flat drop cables). Safety: Integrated scrap collectors and proper blade handling prevent injury from sharp fiber fragments.

Recommended Applications

Fusion Splicing: Use a high-precision cleaver for a clean end-face. Mechanical Splicing: Cleavers ensure proper alignment within splice holders. Field Termination: Kevlar cutters and slitting tools prepare cables for connectors.

Plastic Optical Fiber Finishing: Razor cutters provide low-loss terminations for POF cables. Investing in the right fiber optic cutting tools ensures clean, efficient, and safe cable preparation, which is critical for maintaining signal integrity and reducing installation errors.

Article Content

Fiber Optic Cutter | FiberTek

Fiber Optic Cutter is utilized to cut the aramid yarn of the fiber optic cable to prepare it for fusion splicing or direct termination with a fiber optic connector.

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

10 Best Fiber Optic Cable Cutters That Deliver

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When you''re working with fiber optic cables, you need the right cutting tool to avoid costly mistakes. You''ll find that different models handle various

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.

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

Best Fiber Optic Cable Cutters for Precise, Durable Prep in the Field

If you''re prepping fiber optic cables, you need reliable cutters that deliver clean, controlled cuts without damaging the core or strength members. This guide highlights five top options suitable

Amazon : Fiber Optic Cutter

Price and other details may vary based on product size and color. Fiber optical thermal stripper M9 is suitable for 1-48 cores, compatible bare fiber/bundle and ribbon fibers,Dual heating mode and 8-level

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.

Amazon : Fiber Cutter

High Precision FC-7S Fiber Cleaver, Automatic Return Design Fiber Optic Cable Cutter, For Single-Mode Multi-Mode Fiber Optic Fusion Cutting Knife Equipped With One Spare Blade

Fiber Optic Kevlar Cutters: Tool Overview & Best

trueCABLE has introduced extremely high quality fiber optic kevlar cutters (trueKEVCUT) furthering the “one stop shop” nature of our line of

How to Cut Optical Fiber Cable | Step by Step Guide for 4 Core Fiber ...

In this video, you will learn how to cut optical fiber cable step by step. We demonstrate the proper method for 4 core fiber cutting using the right tools. This tutorial is perfect for beginners ...

Procedure for Cutting and Respooling Fiber Optic Cable

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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

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

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.

How do I cut the fiber optic filament or cable?

Cutting the fiber optic filament or cable is not as hard as it might seem. It''s possible to cut the thinner diameter fibers (0.25 mm – 1.00 mm) and cable with a sharp scissors.

weunion Fiber Cable Cutter | High-Speed Precision

Maintenance and repair of fiber optic networks, quickly cutting damaged optical cables for repair. Preparation work before fiber optic testing, such as cutting

FTTH Fiber Optical Cable Cleaver Tool Optic Fibre 12

Introduction: Fiber cleaver SKL-6C cable cutting knife FTTT fiber optic knife tools cutter High Precision Fiber Cleavers 12 surface blade . Automatic knife back.

FC-61S Optical Fiber Cleaver Fiber optic cable cutting

FC-61S Optical Fiber Cleaver Fiber optic cable cutting knife With Fiber Scrap Collector and 1pcs spare blade 16 Cleaving Spots & 48000 Cleaves Cold

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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