

Article Overview

Fiber optic stripping pliers are precision tools designed to remove coatings and jackets from optical fibers without damaging the delicate glass core, essential for splicing and termination.

Purpose and Function

Fiber optic stripping pliers are specialized tools used to remove the protective coatings, buffer layers, and outer jackets from optical fibers, preparing them for splicing, termination, or connectorization . Unlike standard wire strippers, these tools are calibrated to handle micron-level coatings such as 250um acrylate layers and 900um buffers without nicking or scratching the fiber core .

Types of Fiber Stripping Tools

- o Mechanical Fiber Strippers: Handheld pliers with precision blades for single fibers or fiber ribbons, suitable for laboratory, production, and field use .
- o Thermal Fiber Strippers: Use controlled heat to gently remove cladding or buffer layers, adjustable for temperature and time to prevent fiber damage .
- o Automatic or Plasma-Assisted Strippers: Fully automated devices that remove buffer materials up to 1200 um in diameter cleanly and without contact, ideal for high-strength splices .
- o Multi-Hole Precision Strippers: Tools with tri-hole designs to handle multiple stripping stages, such as 2-3 mm jackets, 900 um tight buffers, and 250 um coatings .

Key Features

- o High Precision Blades: Hardened carbon steel blades ensure clean, damage-free stripping .
- o Ergonomic Design: Cushioned, non-slip handles reduce hand fatigue during high-volume deployments .
- o Factory Calibration: Pre-set blades prevent accidental contact with the fiber cladding .
- o Locking Mechanism: Keeps jaws closed when not in use to protect cutting surfaces .
- o Versatility: Suitable for indoor simplex cables, outdoor drop cables, and ribbon fibers .

Applications

Fiber optic stripping pliers are essential for FTTH installations, laboratory testing, and field splicing, ensuring low-loss connections and preventing fiber breakage during fusion splicing . They are used by technicians to prepare fibers for connectors, splices, or other optical terminations.

Purchasing Options



Fiber Optic Stripping Pliers

Fiber optic stripping pliers are available from specialized suppliers such as LASER COMPONENTS, Jonard Tools, and McMaster-Carr, offering a range from handheld pliers to fully automated stripping machines . Online marketplaces like Amazon also provide various models for professional and DIY use . Using the correct fiber optic stripping tool is critical for maintaining fiber integrity, achieving precise splices, and ensuring reliable optical network performance.

Signal fire ZSQ-09 multifunctional optical fiber stripper which is small size and light weight, combines Miller pliers, two specifications

Fiber optic termination tool kit with fiber optic Cold Welding cleaver and 3-port Fiber optic stripper FTTH Fiber optic cable stripping

About this item Fiber stripper tool--no damaging to the conductor core, long lifetime,wire stripping squeezing pliers Optical cable

INDUSTRY PROVEN DESIGN: Our 3 hole stripping pliers with TPR / Thermoplastic handle is field tested,

Four Tools in One Hand: This fiber optic stripper is built with a scissor, a three-in-one miller clamp, clean

Fiber optic tools are used to install and repair fiber optic cable and connectors to ensure proper connections and reliable signal

Our range of optical fiber strippers extends from handy, pocket-sized tools to fully automated plasma

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

Fiber optic plier (999+ products available) FTTH 5 in 1 Fiber Optic Tools Kit FC-6S Cleaver CFS-2 Double Hole Pliers and Fiber

Fiber Optic Termination Tool Kit 10-in-1 Equipped with A-M7 Optical Power Meter (-70 - +10 dBm), FC-7S Fiber Cleaver and Wire

Fiber Optic Wire Strippers (2 products) Stripping Tool for Fiber Optics Cable 12 85 110 SBA Length: 4 1/4";

All cut surfaces are precision mechanical tolerance to ensure clean, smooth operation allowing the

International distributor for fiber optic components, equipment and accessories while providing invaluable

Fiber Optic Stripping Pliers

technical consultation and

Choose from Specialized Products" selection of fiber optic strippers and cable stripping tools which include various styles of cable

A fiber stripper is a precision tool used to remove the protective polymer fiber coatings from an optical fiber.

?CFS-3 Fiber Optic Stripper? For stripping 250 micron buffer coating from 125 micron optical fiber,All stripping surfaces are

Web: <https://millstraining.co.za>

