

Function and Application of Optical Fiber Core Hot Stripping Pliers



Summary of Content

Hot stripping pliers remove the protective coating from fiber optic cables using controlled heat, exposing the glass core without causing damage.

Understanding the Tool

Hot or thermal stripping pliers are designed to soften and remove the polymer coating of optical fibers using precise heat, rather than mechanical force. This method reduces the risk of micro-cracks or scratches on the glass core, which is critical for high-quality splicing and connectorization. The pliers typically feature:

- Temperature control to adjust for different jacket materials (PVC, PE, LSZH)
- V-groove slots to hold the fiber securely
- Automatic heating cycles that activate when the handles are closed

Step-by-Step Usage

- **Set the Temperature** Adjust the pliers to the appropriate temperature for the fiber jacket. For example, PVC jackets melt around 160°C, while PE jackets may require 120°C-200°C depending on thickness.
- **Insert the Fiber** Place the fiber into the V-groove slot of the pliers, ensuring the end is flush against the internal stop to prevent over-insertion.
- **Activate the Heating Cycle** Close the handles firmly. Many thermal pliers have a built-in sensor that triggers a short heating cycle (e.g., 5 seconds) to soften the coating.

Article Content

Fiber and Cable Strippers

Shop optical fiber and cable strippers including buffer, thermal and standard stripping tools from trusted brands like AFL, Fitel,

Fusion Splicing Basics (Part 2): Strippers and Cleavers

When performing a fusion splice, the optical fiber must be stripped down to the bare glass.

How To Use A Fiber Optic Thermal Stripper

The FIS Thermal Stripper makes stripping 900µm or 250µm fibers easy and reduces the

The Ultimate Optical Fiber Stripper Guide

Explore Optical Fiber Stripper types and uses. Learn pro techniques for precise stripping to

Strippers

The multi-function fiber optic stripper from Tempo has five settings for stripping fiber optic cable. Strips outer jacket from 2.0-2.4mm

UCL SWIFT

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Miller pliers three-port optical fiber stripping pliers multifunctional ...

The three-port design allows for easy and accurate stripping, ensuring a clean and smooth finish. Additionally, these pliers are

Fiber Cable Stripping Tools: A Comprehensive Guide

Fiber Cable Stripping Tools: A Comprehensive Guide The delicate nature of fiber optic cables requires specialized tools for proper

MS-4T-06S-13-FS 250um to 125 um Single fiber stripper

For different sizes and types of optical fibers or cables, the optical fiber guide frame, optical fiber guide

Fibre Optic Three Hole Pigtail Pliers – FIBAsource Ltd.

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

Handheld Fiber Optic Hot Stripper: A Essential Tool For Precision

The Handheld Fiber Optic Hot Stripper is an essential tool for anyone working with fiber optic cables. Its ability to strip

Thermal Stripper, Adjustable Blade | Jonard Tools

Designed to thermomechanically remove coatings from optical fibers with cladding, this adjustable thermal stripper is perfect for

The Necessity of Fiber Optic Thermal Stripper

The core value of fiber optic thermal stripping pliers lies in their ability to make the stripping process more controllable

Fiber Optic Termination Tools

These fiber buffer stripping tools provide a quick, easy, and reliable way to remove the buffer from an

Functionality of optical fiber tools and instrument | PDF

The document discusses the tools and instruments used for optical fiber installation and splicing. It describes the various tools

Optical Fiber Cleaver Handheld Fiber Optic Thermal

About this item □2 in 1 Stripping and Cutting□Fiber Optic Hot Stripper,Automatic Fiber Optic

FITEL Thermal Ribbon Stripper

When you need a cordless, light-weight, quick-strip solutions, the S218R optical fibre stripper efficiently solves your problems. This

Stripping Cleaning and Fiber Prep Automation Products

AFL's advanced Stripping, Cleaning, and Fiber Prep Automation solutions for fusion splicing. Our products ensure efficient, precise

VAEYI Hot Peeling Pliers Family: How do the FSP-200Pro and FSP

While thermal stripping pliers may seem like a single-function product, the differentiated needs of various fiber specifications in

Tutorial Passive Fiber Optics, Part 13: Fiber Accessories and Tools

Tutorial on passive fiber optics. Part 13 discusses fiber accessories and tools for stripping, cleaving and splicing of fibers, fiber

Optical Fiber Strippers

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

YT-6 Fiber Stripper Thermal Stripper Heated Optical Stripping Plier ...

Feedback Would you like to tell us about a lower price? YT-6 Fiber Stripper Thermal Stripper Heated Optical Stripping Plier Ribbon

Fiber Optic Stripping

3SAE Technologies designs and manufactures a wide range of high performance fiber optic stripping tools for optical fiber coating

Fiber Strippers – tools, mechanical, thermal, chemical,

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

Handheld Fiber Optic Hot Stripper: A Essential Tool For

As fiber optic technology continues to advance, tools like the hot stripper will remain crucial

Optical Fiber Stripping

Chemical stripping is attractive since, unlike mechanical stripping, it does not require mechanical forces

Strippers

Shop Now. International distributor for fiber optic components, equipment and accessories while providing invaluable technical

Hot Fiber Optic Stripper HJR-7

Equipped with a heater to heats the coating of fiber to soften it for smooth stripping. Hot Stripper, for thermal stripping in a variety of

The Ultimate Optical Fiber Stripper Guide

An Optical Fiber Stripper is arguably the most fundamental hand tool for any technician

Contact Us

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