

# How to use a fiber optic hot stripper



## Article Overview

A fiber optic thermal stripper safely removes the protective coating from optical fibers by applying controlled heat, exposing the glass core without causing nicks or scratches.

### Overview

A fiber optic thermal stripper is a heat-based tool designed to remove the acrylate or buffer coating from optical fibers. Unlike mechanical strippers, it softens the coating rather than cutting it, which prevents microscopic cracks, scratches, or stress fractures that can degrade signal quality and cause fiber failure . It is suitable for standard telecommunication fibers (125  $\mu\text{m}$  glass cladding with 250  $\mu\text{m}$  coating) and larger tight buffers (e.g., 900  $\mu\text{m}$ ) used in fiber cables .

### Step-by-Step Usage

- **Prepare the Fiber** Cut the fiber to the desired length and ensure it is clean. Remove any outer jacket or aramid yarn if present, using a standard fiber cable stripper or scissors .
- **Select the Correct Heat Setting** Most thermal strippers have multiple heat levels powered by a rechargeable battery. Choose a setting appropriate for the fiber type (e.g., 250  $\mu\text{m}$  or 900  $\mu\text{m}$ ) to avoid overheating or underheating .
- **Position the Fiber** Insert the fiber into the stripper's designated notch or hole that matches the coating diameter. Ensure the fiber is straight and properly seated to prevent bending or uneven stripping .
- **Apply Heat and Strip** Activate the thermal element. The heat will soften the coating. Gently pull the fiber or the softened coating away from the glass core. Avoid excess...

## Article Content

Oct 02, 2025

FiberFox HS-12 Thermal Stripper

Product Description FiberFox HS-12 Thermal Stripper - Single and Ribbon Fiber \*\*  
Removable Fiber Holders are needed (Included in

Feb 24, 2026

TFS-100 HANDHELD THERMAL STRIPPER FOR RIBBON OR

The fiber is now stripped! Open both covers of the fixtures and remove the fiber holder with fiber inside. Be sure to clean any debris

Nov 30, 2025

S251A Optical Fiber Thermal Stripper User Manual

This manual contains the complete operating and maintenance instructions for S251A Optical Fiber Thermal Stripper. Please review

Jan 24, 2026

Optical Fiber Cleaver Handheld Fiber Optic Thermal

groword Optical Fiber Cleaver Handheld Fiber Optic Thermal Stripper for Ribbon or Simplex Fiber,2 in 1

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trueCABLE's Fiber Optic Cable Strippers: The Essential Tool for Fiber

Precise fiber optic stripping matters. See trueCABLE's 3-hole Fiber Optic Stripper features, safe use tips, and

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

Where did you see a lower price? User guide Specification Met CE Additional details Grip Type Ergonomic Product Summary: YT-6

Jul 14, 2026

Fiber Optic Thermal Stripper Rechargeable Auto Heating ...

About this item High Efficiency: This fiber optic thermal stripper allows for simultaneous stripping of multiple fibers, significantly

Feb 25, 2026

## Thermal Stripper

The FiberFox HS-12 newly developed hand-held thermal stripper is rugged and durable, yet small in size and light weight. Designed

Aug 14, 2025

## FITEL Thermal Ribbon Stripper

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

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## FIS FIBER OPTIC THERMAL STRIPPER INSTRUCTIONAL MANUAL

Built-in rechargeable lithium battery makes tool portable for many fiber optics applications. Onboard (8) temperature level heating

Jun 19, 2026

## Fiber Optic Splicing: A Complete Guide | Jonard Tools

You'll need a fiber optic stripper, a kevlar cutter, a high-precision cleaver, a fusion splicer, fiber cleaning

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## WRXTS6 Thermal Stripper

Optix America's WRXTS6 Thermal Stripper efficiently removes insulation from fiber optic cables. Fast

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Fiber Strippers – tools, mechanical, thermal, chemical,

Fiber strippers are precision tools that remove a coating from a fiber before connectorization or splicing.

May 06, 2026

## FIS FIBER OPTIC THERMAL STRIPPER INSTRUCTIONAL MANUAL

FIS FIBER OPTIC THERMAL STRIPPER Congratulations on the purchase of the new fiber optic thermal stripper. This product is

Sep 26, 2025

Fiber Optic Thermal Stripper for Ribbon or Fiber, Fast Heating Optical ...

□Rapid Heating□This ribbon optical fiber thermal stripper adopts high efficiency heating core, can quickly heat up. Automatic

Sep 13, 2025

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

Mar 09, 2026

Fiber optic thermal stripper easy to use! #FiberOptics #Tools

It operates by applying a precise, localized heat to a specific section of the coating, causing it to soften and expand.

Feb 09, 2026

Stripping (fiber)

Fiber optical stripping can be done using a special stripping and preparation unit that uses hot sulfuric acid or a controlled flow of hot

Sep 21, 2025

Optical Fiber Strippers

Thermal fiber strippers can be used to remove the cladding from optical fibers precisely and gently. Our

Oct 04, 2025

Stripping Techniques For Your Fiber Optic Cable Assembly Process ...

Good fiber optic stripping techniques in your cable assembly process are crucial. See best practices for how to strip

Jul 19, 2026

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.

Nov 15, 2025

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

Precision Strip Tool AFL's Precision Strip Tool is a fast, simple solution for stripping fiber without damage.

Jul 02, 2026

Thermal Stripper, Adjustable Blade | Jonard Tools

Designed to thermomechanically remove coatings from optical fibers with cladding, this adjustable thermal

Jul 02, 2026

OFS FTEL S251A Optical Fiber Stripper

This manual contains the complete operating and maintenance instructions for S251A Optical Fiber Thermal Stripper. Please review

## Contact Us

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