

144-core optical cable stripping tool



AI Overview

Stripping a 144-core optical cable requires careful, stepwise removal of the outer sheath, strength members, and fiber tubes to expose the optical fibers without causing damage. Tools and Safety Before starting, ensure you have the following tools and safety equipment: Cable scissors and diagonal cutters Optical fiber strippers and tube cutters Paper toweling and cleaning alcohol Safety glasses and a clean, well-lit workspace Nippers and rip cords for sheath removal Always follow local health and safety regulations and handle fibers carefully to avoid injury or fiber damage.

Step-by-Step Stripping Procedure

- Mark and Cut the Sheath** Determine the length of sheath to remove and mark the cable. Apply a circumferential cut 150mm from the cable end, followed by two longitudinal cuts opposite each other. Carefully separate and remove the outer sheath.
- Remove Rip Cords and Binder Yarns** Identify and pull the rip cords to make a longitudinal cut along the sheath. Remove binder yarns and unwind the tube elements from around the central strength member (CSM), which is typically a glass-reinforced plastic rod.
- Handle Water-Swellable Elements** Identify and remove any water-swellable yarns or gel to prevent contamination of the fibers.
- Prepare Individual Tubes** Each tube contains 24 fibers. Score the tube 300mm from the end using a tube cutter set to avoid cutting the fibers. Flex the tube to remove it from around the fibers and clean off any grease.
- Expose and Strip Fibers** Once the tubes are removed, use a fiber optic stripper to remove the buffer coating from each fiber individually. Clean the fibers with alcohol wipes to ensure a smooth, defect-free surface for splicing or termination.

Best Practices

- Progressive stripping:** Remove layers sequentially—outer jacket, aramid yarn, tubes, then individual fibers—to avoid damage.
- Tool maintenance:** Keep cutting edges sharp to prevent nicks or scratches on fibers.
- Inspection:** Use a fiber inspection microscope or visual fault locator to check for defects before termination.
- Dummy practice:** Test cutter settings on a dummy s...

Article Content

Cable Strippers For Fiber Optic Cable

Ripley professional grade Cable Strippers For Fiber Optic Cable are designed to work with a range of cable types.

Fiber Optic Termination Tools

The fiber coating/buffer stripping tool (callout 3 in Figure G2.1) provides a quick, easy, and reliable way to remove the coating from an optical fiber in preparation

Fiber optic stripping knife 8-28.6mm Armored cable

Fiber optic stripping knife 8-28.6mm Armored cable stripper 0.315 in to 1.13 in Vertical and horizontal Fiber optic cable cutter with 1 blade Mid Span Cable Slit

FOC-200 Fiber Optic Cable Stripping Tool

A cable preparation tool for fiber optic installations, the FOC-200 fiber optic cable stripping tool will remove more than an inch of jacket or buffer tube in one cut

Amazon : Fiber Optic Cable Tools

Automatic heating peeling tool. This product has sustainability features recognized by trusted certifications. Contains at least 50% recycled material.

Fiber Stripping Tools

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

Fiber optic stripper, universal (Hanlong HTS-144H)

HT-S144H » Universal stripper for stripping insulation from patchcord cables and

groword 8-28MM Wire Stripper, FTTH Armored Fiber Optic Cable

8-28MM Wire Stripper, FTTH Armored Fiber Optic Cable Stripper, Coaxial Mid Span Cable Stripper, Radial Cutter, Slitting Tools with Adjustable Cutting Depth, 5/16" to 1 1/8" Diameter

How To Strip Fiber Optic Cable | Instructional

In this instructional video, Bob Licari, Test Equipment Product Manager, demonstrates a simple way to strip optical fiber.#instructional #fiberoptics #fiberF...

Stripping Tools

Our fiber strippers provide a reliable way for you to remove the buffer from an optical fiber. We have one of the largest varieties of strippers in stock to help you do your job.

Fiber Optic Tools, Crimpers, Cable Strippers

Specialized Products stocks a vast selection of fiber optic tools including fiber crimpers, cleavers, fiber optic strippers for splicing and terminating fiber optic cable.

Fiber Optic Strippers | Fiber Termination Tools

Fiber Jacket Stripper The Model F-JS2 Fiber Jacket Stripper can remove fiber jackets safely and efficiently to the diameters of 0.4 mm to 1 mm, leaving an

Fiber Optics Stripping, Cleaving, Splicing, Recoating,

Fiber Optics Cleaving and Stripping Tools available from StockAMS Technologies offers the full range of must-have tools for field or production – including

Fiber and Cable Stripper – Types, Uses & Guide

Fiber & Cable Stripper for Fiber Tools 1. FOS03 Fiber strippers remove the coating from the fiber optic cable to expose the glass fiber. Also

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 Strippers, Stripping Tools

Specialized Products" selection of fiber optic strippers and cable stripping tools includes various styles of cable strippers to fit your needs. We offer the highest quality tools from top brands such as Jonard

Fiber Optic Stripping Tools – trueCABLE

Accurate cable stripping is the foundation of every successful fiber optic installation. Our fiber optic stripping tools are meticulously designed for clean, consistent

Fibre Optic Tools for NBN & FTTP | AusOptic

A range of fibre optic tools used in FTTP and NBN FTTH work, including fibre strippers, drop cable slitters, and installation equipment.

Cable Preparation Best Practices for Fiber Optic Indoor/Outdoor ...

This best practices document is a step-by-step guide for end and midspan access of loose tube optical cable, including sheath removal, core preparation, and fiber preparation.

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

AFL's Precision Strip is a fast, simple solution for stripping fiber without damage. This battery-powered, handheld stripper features an integral heating element that

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 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 heating after startup, constant temperature control, 8 gears temp settings

Optical Fiber Strippers

Thermal fiber strippers can be used to remove the cladding from optical fibers precisely and gently. Our selection offers powerful, robust devices for single

FiberShack

QUALITY DESIGN - Every fiber optic cable stripping tool has a Thermoplastic handle and is tested after production to ensure a consistent high quality cut out of the box
CUT DEPTH RANGES: Hole 1 - 1.6 > 3 mm fiber jacket cuts down to the 600 - 900 micron buffer coating. Hole 2: strips the 600-900 micron buffer

Fiber Optic Termination Tools

Thorlabs offers the following tools used to install connectors on single mode and multimode optical fiber. Fiber Buffer Stripping Tools, Stripping Kit, and

Amazon : Fiber Optic Cutter

Three Hole Fiber Optic Stripper, High Precision, Fiber Optic tool Three-port stripper line for optical stripper of FTTH tool With adjustable knife Optical cable stripping pliers

Armored Fiber Optic Cable Stripping Tool SI

□Wide use□: This cable stripper can cut sheaths of various materials. Such as PVC, PE, steel armor sheath and non-metallic reinforced component fiber optic

Fiber Tools & Kits

Premium fiber optic tool kits for splicing, cleaning, testing, and termination. Includes cleavers, strippers and more. Ideal for telecom, data centers, and field technicians.

Contact Us

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