

24 Fiber Optic Cable Stripping

Article Overview

Stripping a 24-fiber optic cable requires precision tools to remove the outer jacket, aramid yarn, and individual fiber buffers without damaging the fibers.

Tools for 24-Fiber Cable Stripping

For multi-fiber cables like 24-fiber bundles, specialized stripping tools are recommended:

- o **Manual Fiber Strippers:** Tools such as the Thorlabs fiber buffer stripping tools provide matched blades and fiber guides to remove coatings accurately, preventing microfractures in the fibers (Thorlabs) .
- o **Multi-Fiber Cable Strippers:** Jonard Tools and Ripley(R) Miller offer tools like the CST-4000 Round Cable Strip & Ring Tool or MB03-7120 Flat Drop Wire Slitter, which allow precise longitudinal, spiral, or circular cuts for large cables (Jonard Tools, Fiber Optic Center) .
- o **Hot Knife or Programmable Machines:** For high-volume or industrial applications, devices like the Schleuniger B300 programmable fiber optic cable stripping machine or the Industrial Fiber Optics Hot Knife can strip multiple fibers efficiently and consistently .

Stripping Procedure

- o **Measure and Identify:** Determine the cable's outer jacket diameter and individual fiber buffer sizes to select the correct stripping tool .
- o **Remove Outer Jacket:** Use a jacket stripper or round cable stripper to carefully cut and remove the outer jacket without nicking the fibers inside .
- o **Remove Aramid Yarn:** Pull out the Kevlar or aramid yarn reinforcement carefully; some tools include integrated cutters or scissors for this step .
- o **Strip Individual Fibers:** Use precision fiber strippers with matched blades to remove the buffer coating from each fiber. Tools like the Thorlabs BFG1 Bare Fiber Gripper help hold fibers securely without causing microfractures .
- o **Inspect Fibers:** After stripping, inspect each fiber under magnification to ensure no damage or scratches before splicing or connectorization .

Best Practices

- o Always use tools matched to the fiber diameter to avoid over-stripping or damaging fibers.
- o Avoid wrapping or clamping fibers; use a gripper or textured rubber hold to prevent microfractures .
- o For high-volume operations, consider programmable or automated stripping machines to maintain consistency and reduce hand fatigue .
- o Keep blades sharp and replace them regularly to ensure clean cuts and prevent fiber damage . Using the right combination of tools and careful technique ensures that all 24 fibers are stripped cleanly, ready for splicing or



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connectorization, while maintaining the integrity and performance of the optical signal.

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

Shop our fiber optic cable stripping tools, essential for removing cable jackets, aramid yarn, and buffers to ensure optimal fiber optic

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

X5 grey Optical Fiber Cleaver High precision stripping tool Fiber optic cable cutter 16 cutting points 48000 times Hot melt Cold joining

I am stripping two 144F loose tube cables and one 48F loose tube cable. Please like,

Cruiser 45-163 Fiber Optic & Coaxial Cable Stripper Tool (Blue, Alloy Steel) 50+ bought in past month Add to cart

Good fiber optic stripping techniques in your cable assembly process are crucial. See best

Multiple Hole Fiber Strippers for Extra Flexibility The F-STR-103D series fiber optic strippers allow to strip

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

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

The FOC-200 fiber optic cable stripping tool from Cable Prep brings a higher standard of performance to

Fiber-Life offers a variety of fiber strippers, each designed to play a crucial role in the fiber optic cable

Accurate cable stripping is the foundation of every successful fiber optic installation. Our fiber optic

Strip fiber-optic cables without scratching or damaging them. These cable strippers have three nonmarring openings to handle

Mastering fiber optic cable stripping requires practice and attention to detail. By following these guidelines and utilizing the



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You have successfully completed this exercise when you have been able to strip the jacket and both buffer coating layers from the

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