Steel Wire Optical Cable Stripping Tools



Overview

Fiber Optic Cable Tools FS offers a range of cable tools, such as cable stripper, cable slitter, cable cutter for fiber or copper cables Fiber Optic Termin.

Key Takeaways

To strip steel wire from an optical cable, use specialized cable strippers or wire cutters designed for fiber optic cables with steel strength members, ensuring the fiber and metal are not damaged.

Understanding the Cable Structure

Optical cables often contain multiple layers: the outer jacket, buffer coatings, optical fibers, and steel strength members for tensile support. Stripping the steel wire requires careful removal of the outer layers without nicking the metal or damaging the fibers inside.

Tools for Stripping

Cable Strippers: Manual or semi-automatic strippers can remove the outer jacket cleanly. Choose a stripper with adjustable blades to match the cable diameter. Wire Cutters or Pliers: For steel wires, use high-carbon steel cutters or pliers capable of cutting or stripping metal without deforming it.

Fiber Optic Strippers: If you also need to expose the fiber, precision fiber strippers remove polymer coatings without scratching the glass.

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Step-by-

Step Process

Prepare the Cable: Clean and straighten the cable. Measure the length of steel wire you need to expose. Remove Outer Jacket: Insert the cable into the appropriate hole of a cable stripper.

Score the jacket carefully and peel it off, exposing the inner layers. Expose Steel Wire: Use wire cutters or pliers to strip the steel strength member. Avoid cutting too deep to prevent nicking the fiber or weakening the wire.

Optional Fiber Stripping: If you need to access the optical fiber, use a fiber optic stripper to remove the polymer coating over a defined length, exposing the bare glass for splicing or termination.

Safety and Tips

Always wear safety glasses to protect against flying debris from steel or fiber shards. Work slowly and use the correct tool for each layer to avoid damaging the cable. For cables with multiple fibers, consider marking the layers to prevent confusion during stripping.

Use spring-assisted or ergonomic tools for repetitive tasks to reduce hand fatigue. By following these steps and using the right tools, you can safely strip steel wire from optical cables while preserving the integrity of both the metal and the optical fibers.

Article Content

Fiber Optic Cable Tools

FS offers a range of cable tools, such as cable stripper, cable slitter, cable cutter for fiber or copper cables

Fiber Optic Termination Tools

These fiber buffer stripping tools provide a quick, easy, and reliable way to remove the buffer from an optical fiber in preparation for connectorization. A fiber guide

Cleanly cut and strip round or flat cables using this

VERSATILE COMPATIBILITY: Compatible with round and flat cables, including coaxial, network, and audio; Features dedicated slots for efficient, accurate

Fiber-Optic Strippers | McMaster-Carr

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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 and Cable Strippers

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

5 Wire Optical Stripper, Ribbon Cable Stripper, Longitudinal Cable ...

TO USE: 5 Wire Optical Stripper features a simple opencover- and lightweight, making it effortless to operate and carry. Its compact structure handling without risking hand injuries, for both

SACS Tool | Steel Wire Armoured Cable Stripping Tool

SACS Tool – Steel Wire Armoured SWA Cable Stripping Tool is a revolutionary new SWA Cable Stripper & Cutter to strip Safely and up to 50% quicker than

SACS Tool – Steel Wire Armoured Cable Stripping Tool

SACS Tool – Steel Wire Armoured Cable Stripping Tool is a revolutionary new tool to strip SWA Cable Safely and up to 50% quicker than conventional stripping

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Unique Bargains Optical Fiber Tool with Fiber Optic

Precision cutting edge, precision cutting. Scissors are made of 3CR13 stainless steel, high hardness and more wear-resistant. How to use it? Place the Fiber

MIMECOSHOP LLC Coring Tool Coaxial 6 L 3/4 Cap.

Coring Tool Stripping Capacity - Solid Wire 0.75 in Stripping Capacity- Cable 3/4 in Stripping Capacity- Stranded Wire 0.75 in Type Fiber Optic Cable Strippers For Wire/Cable Type Fiber Optic Cable

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(Orange) 5-Wire Optical Fiber Stripper 1.9-3.0mm Splicing Tool

* *Item 3:* "Clean Stripping: Applicable to 1.9-3.0mm optic fiber cable, the wire stripper with incisive blade enables clean horizontal stripping." * Translation: 3.

X5 grey Optical Fiber Cleaver High precision stripping tool ...

Feedback Would you like to tell us about a lower price? X5 grey Optical Fiber Cleaver High precision stripping tool Fiber optic cable cutter 16 cutting points 48000 times Hot melt Cold joining Fiber cutting

OnePlus Optical Fiber Cleaver High Accuracy Thickened Rigid Slide

Versatile Fixture: This optical fiber cutter tool''s fixture comes with a 0.9mm pigtail slot, a 0.25mm bare fiber slot, a 3.0mm jacketed cable slot, and a 20mm length scale. Fiber optic cable cutting, no need

Ausla Wire Strippers Pliers High Carbon Steel Optical Fiber Stripper 3 ...

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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