

Optical Cable Ring Stripping Method

Article Overview

Ring stripping on optical cables involves making a controlled circular cut around the cable jacket to access the inner fibers without damaging them.

Tools Required

- o Cable ring and slitting tools such as the Jonard JIC-4366 or Greenlee PA1822 universal cable splitter .
- o Fiber strippers for removing buffer coatings.
- o Scissors, alcohol, lint-free tissues, and a permanent marker for marking and cleaning .
- o Safety glasses to protect eyes from accidental fiber shards .

Step-by-Step Ring Stripping Procedure

- o Measure and Mark: Determine the location on the cable where you want to access the fibers. Mark the area 1-2 inches above and below the intended opening .
- o Adjust the Tool: Set the ring blade depth according to the cable diameter. For example, the Greenlee PA1822 allows adjustment from 0.18 to 1 inch in diameter, with a maximum cut depth of 3mm .
- o Position the Cable: Place the cable between the blade and the adjustable bracket of the tool. Ensure the blade rests on the exterior of the jacket without pressing too hard on the inner fibers .
- o Perform the Ring Cut: Rotate the tool around the cable in a circular motion until the jacket is scored completely. The goal is to cut through the outer sheath without nicking the inner buffer or fiber .
- o Remove the Jacket: After the ring cut, gently bend the cable at the scored line to break the jacket, then slide it off to expose the inner layers. For multi-layer cables, strip each layer progressively: jacket, aramid yarn, and buffer .
- o Buffer Stripping: Use fiber-specific strippers to remove the primary and secondary buffer coatings, taking care not to touch the glass fiber itself . The cut edge should be clean and straight.

Safety and Best Practices

- o Always wear safety glasses to prevent injury from fiber shards .
- o Maintain sharp blades to ensure clean cuts and avoid jagged edges .
- o Avoid nicking or scratching the optical fiber, as even minor damage can lead to cracks and signal loss .
- o For mid-span access, ring the cable 1-2 inches above and below the desired opening to allow safe removal of the jacket .

Additional Tips

- o For figure-8 or webbed cables, use the slitting guide to separate the webbing before performing the ring cut .
- o Automated stripping tools can improve consistency and reduce operator error, especially for high-volume

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assembly .

- o After stripping, clean the exposed fibers with alcohol and lint-free tissues to remove debris before connectorization .

By following these steps and using the proper tools, you can safely perform ring stripping on optical cables while preserving the integrity of the inner fibers.

One aspect of the disclosure is a method of stripping a fiber optic cable having a protective cover with an outer surface that

By following these guidelines and utilizing the appropriate tools, you can ensure safe and efficient stripping, leading to reliable and

Once that is set, we put the cable in the clamp, then adjust the bottom knob until it stops,

For high-volume manufacturing environments, such as the production of fiber-optic patch cables or medical

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

Laser stripping of optical fiber offers a rapid and precise method for removing acrylate and polyimide coatings, facilitating access to

Manufacturer: Jonard Industries. Used for stripping and butting tight buffer optical fiber cables. Use one blade to butt (ring) PVC

The Jonard JIC-4366 cable sheath stripper and ring tool is ideal for copper cables, tight buffer optical fiber cables, and for slitting

In this informative guide, we'll walk you through the step-by-step process of stripping and preparing fibre optic cable

Jonard Tools CST-1900 Round Cable Stripper for Fast and Precise Jacket Removal, 3/16" to 1 1/8" Diameter, Cable Strip & Ring

With several patents for fiber optic stripping, such as Burst(TM) Technology and the Ring of Fire™, 3SAE's state-of-the-art non-contact,

The Platinum Tools 15062C is a Slit and Ring Fiber Optic Cable Stripper. It is designed to slit and ring cables,

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buffer tubes and

About this item VERSATILE FIBER CABLE TOOL: Perfect for any fiber technician, the Jonard Tools JIC-4366 is designed to slit and

Young Dance Armored Cable Stripper 8-28mm Wire Coax Mid Span Radial Cutter Slitting Ring Fiber

In this instructional video, Bob Licari, Test Equipment Product Manager, demonstrates a

The JIC-4366 Cable Sheath Stripper from Jonard is used to ring-cut many types of tight buffer, loose tube

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