

RIVO MULTITRADE OPTICAL SYSTEMS

Fiber Optic Cable Waveform Opening Tool



Overview

Some of our most popular fiber optic tools belong to our mid-span slit and ring tools, also known as the MS line.

Key Takeaways

Fiber optic cable waveform opening tools, such as mid-span slit and ring tools, allow technicians to access the interior fibers of a cable safely and efficiently without damaging the optical core.

Fiber optic waveform opening tools are designed to strip or slit the outer jacket and buffer layers of fiber optic cables to expose the internal fibers for testing, splicing, or termination. These tools are essential because fiber optic cables are delicate, and improper handling can cause signal loss or permanent damage to the glass core .

Types of Tools

1. Mid-Span Slit & Ring Tools

- These tools, like the MS-446 from Jonard Tools, are used to open thick-walled cables ranging from 8.7 mm to 14.6 mm in diameter .
 - They allow technicians to quickly access interior fibers without cutting or nicking the glass.
 - Ideal for heavy-duty outdoor cables such as AFL's OSP MicroCore® series.
- ##### 2. Fiber Strippers

- Hand tools such as the JIC-125 Fiber Optic Stripper remove the 250 µm buffer coating to expose the 125 µm optical fiber .
- Triple-hole or spring-loaded strippers are available for multi-stage stripping, including 900 µm tight buffer and jacket layers .
- Ergonomically designed for all-day use, ensuring precision and reducing hand fatigue.

3. Thermal Strippers

- Tools like the TSAB-40 Thermal Stripper use adjustable heat (up to 200°C) to remove baked-on coatings or fluoroacrylate undercoating .
- Suitable for fibers with cladding diameters from 30 µm to 1000 µm and buffer diameters up to 1200 µm.
- Useful for difficult coatings that cannot be removed mechanically.

Additional Accessories

- Cleaning kits: Lint-free wipes, cleaning fluid, and cassette cleaners ensure connectors and fiber ends are free of contaminants .
- Inspection scopes: Verify the fiber end face for dirt, defects, or damage before splicing or testing.
- Splice protection: Splice sleeves and heaters protect the fusion point after opening and splicing the fiber.

Practical Tips

- Always select a tool compatible with the cable diameter and coating type.
 - Use ergonomic, spring-loaded tools for repetitive tasks to reduce strain.
 - Follow the “clean, inspect, test” workflow to maintain signal integrity .
 - Avoid using standard wire strippers or scissors, as these can damage the fiber.
- Fiber optic waveform opening tools are critical for efficient, safe, and precise access to the fibers inside a cable, enabling high-quality splicing, testing, and installation. Choosing the right tool depends on the cable type, coating, and the specific task at hand .

Article Content

Amazon : Fiber Optic Tools

Fiber Optic Tool Kit 9-in-1 with FC-6S Fiber Cleaver, Optical Power Meter | (-70 - +10 dBm), FTTH Splicing Tools for Cable

Fiber Optic Tools

When it comes to Fiber Optic Tools, you can count on Grainger. Supplies and solutions for every industry, plus easy ordering, fast

Fiber Optic Tools

Some of our most popular fiber optic tools belong to our mid-span slit and ring tools, also known as the MS line. These fiber optic

Fiber Optic Tools

We sell a variety of punch down cable tools to speed up terminating keystone jacks and patch panels. When working with RJ11,

Fiber Tools, Consumables & Accessories

CommScope features a family of tools and components for the installation, repair and maintenance of fiber cables, including prep

Fiber Optic Tools & Tool Kits

Light Brigade offers a wide variety of fiber optic tools and tool kits from leading manufacturers, including Jonard Tools, Ripley/Miller,

Fiber Optic Tools and Tool Kits for Your Cabling Needs

High quality fiber strippers, fiber cleavers, cable slitters, mid-access tools, cable pulling tools and more from 3M, Corning, Ripley

Fiber Optic Cable

Ripley professional grade Fiber Optic Cable Tools easily strip, cut, connect and inspect various fiber optic cables without damaging

Fiber Optic Tools

These fiber optic tools are designed to easily give a technician quick access to interior optical fibers in a variety of cables. The

Fiber Optic Tools

Fiber optic tools are used to install and repair fiber optic cable and connectors to ensure proper connections and reliable signal

Miller FO 103-S-200 Series Single Hole Fiber Optic Stripper ...

Miller FO 103-S-200 Series Single Hole Fiber Optic Stripper for Working Technicians, Electricians, and Installers, V-Shaped

Fiber Optic Cable Tool for High-density Patch Panels and SFF

The FOCUS tool works with SC, SC2, MU, LC, and MTRJ connectors and different cables, including 2mm, 3mm, 1.6mm, jacketed,

Enhance Connectivity: Essential Fiber Optic Tools for Precision ...

Elevate your fiber optic installations with our range of precision tools designed for seamless cable termination, splicing, inspection,

Fiber Optic Cable Tools

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

Jonard JIC-4366 Fiber Optic Cable Jacket Slit & Ring Tool

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

FTTH optical fiber tool kit with 36000 cutter FC-6S and ...

About this item CFS-3 stainless steel three-port hole Fiber Coating No damage to fiber/ continuous fiber FC-6S Optical Fiber Cleaver

Fiber Optics Tools, testing equipment, connectors, and kits with ...

Fiber Optics Tools, test equipment and patch panels. Low cost fiber optic hand tools, and kits for fiber optic testing, fiber optic

Amazon : Fiber Optic Tool Kit

Tackle fiber optic installations with comprehensive tool kits. Discover reliable solutions with precision tools for termination, splicing,

Related Video Reference

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