

Longitudinal stripping of optical cable in the middle

Article Overview

Longitudinal stripping of optical cables mid-span is performed using specialized slitting tools that open the cable sheath without damaging the internal fibers.

Tools for Mid-Span Longitudinal Stripping

- o Mid-Span Slitters: Tools like the MSS100 allow longitudinal stripping of outdoor loose tube cables. The blade is pressed into the cable sheath and moved along the tube to open it on the upper and lower sides, providing access to the fibers inside .
- o Fiber Cable Sheath Slitters (SI-01): Designed for loose tube or ribbon-type cables, these tools adjust blade protrusion to accommodate various cable diameters (6-25mm) and are particularly convenient for mid-span branching .
- o Handheld Fiber Strippers: Smaller strippers, such as FOS03 or CFS-2, can remove outer jackets and coatings for smaller diameter fibers, often used for precise end or mid-span stripping .
- o LightOptics Jacket Slitters: Compact and lightweight, these tools slit PVC jackets into two halves efficiently, suitable for both field and plant applications .

Procedure for Mid-Span Stripping

- o Select the Correct Tool and Groove: Choose a slitter or stripper compatible with the cable diameter. For loose tube cables, select the proper groove to hold the tube securely .
- o Position the Cable: Place the cable in the tool opening and adjust rollers or clamps for a snug fit. Ensure the blade is set for longitudinal cutting rather than radial cuts .
- o Blade Adjustment: Adjust the blade depth to avoid cutting the internal fibers. Some tools allow blade revolvers or protrusion adjustments for precise control .
- o Strip the Sheath: Move the tool along the cable length to slit the sheath. For external strength member cables, allow the tool to follow the lay of the members, which may cause a slight spiral .
- o Access Fibers: Once the sheath is opened, carefully coil or store the buffer tubes in a slack storage area. Avoid cutting filler rods unless necessary .
- o Safety Considerations: Wear protective gloves and eyewear, as glass fibers are sharp and can pierce the skin. Collect any cleaved fibers with tape to prevent injury .

Tips for Effective Mid-Span Stripping

- o Ensure the cable is supported and stable to prevent accidental fiber damage.
- o Use tools with adjustable blades to accommodate different cable diameters.
- o For high-fiber-count cables, coiling tubes in a splice closure reduces stress on fibers.
- o Always follow manufacturer guidelines for the specific cable type and tool used. Using these specialized tools and procedures ensures efficient, safe, and precise mid-span longitudinal stripping of optical fiber cables



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without compromising fiber integrity.

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

About this Item Two-piece:SI-01 Longitudinal Opening Knife and Lateral tube cable splitter SI-01 Longitudinal Stripper for 2 core-288

The Mid Span Slitter is an efficient and indispensable tool for fiber optic cable termination. The sharp blade is made of super-alloy,

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

Adjustable and Specialized Optical Fiber Stripper Models While most applications use

The longitudinal beam tube stripping for outdoor fiber optic cable cutover time. Open center beam tube outer diameter have four

Adjustable slitting depth Longitudinal Fiber Optic Cable Sheath Slitter Cutter KMS-K The KMS-K cable

"Fiber optic Cable Jacket loose tube longitudinal Cutter Beam tube longitudinal stripping Tool introduction: 1.Loose tube longitudinal

Safer mechanical or non-contact alternatives are preferred today. Automated Stripping Systems For high-volume manufacturing

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

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

Longitudinal Buffer Tube Slitter FS-45 Superalloy 1.5-3.3mm Stripping Diameter FTTH Drop Cable Stripper Covered Wire Stripping

Fiber Cable Slitters a simple-to-use and effective tool to remove the outer jacket of optic fiber cables. Fiber is placed in the groove

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A mid span splitter is an efficient & indispensable tool for fiber optic cable termination. The sharp blade is for

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

The manual is intended as a guide for technologists, middle-level management, as well as regulators, to assist in the practical

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