

Equipment for stripping optical cable sheath



Overview

Learn how to use fiber strippers, cable cutting scissors, and armored cable slitters. Discover their applications in fiber splicing, cable prep, and FTTH.

Key Takeaways

Optical cable sheath stripping tools are specialized devices designed to safely and precisely remove the outer jacket or sheath of fiber optic cables, enabling access to the internal fibers without damage.

Key Features and Functions

Precision and Adjustability: High-quality stripping tools allow precise control over blade depth to avoid damaging delicate fibers. Tools like the SI-01 feature an adjustment nut with 0.25 mm increments for accurate depth control, suitable for cable diameters from 10 mm to 25 mm and various sheath materials including PVC, PE, and steel armor.

Ergonomic Design: Many tools are designed with non-slip, ergonomic handles to reduce hand fatigue during extended use. Spring-loaded or coil-spring mechanisms, as seen in Jonard Tools models, enhance control and precision for technicians.

Material Compatibility: Professional tools can handle a wide range of sheath materials, from standard PVC jackets to armored or reinforced cables.

Some tools, like the FibreFast™ Sheath Stripper, can strip buffered fiber up to 2360 µm and jacketed fiber up to 3.5 mm. Versatility: Advanced tools offer multiple cutting modes, including longitudinal, spiral, and circular cuts, allowing end stripping, mid-span stripping, and full jacket removal.

Tools like the CST-4000 support multiple cable sizes and cutting styles for efficient workflow.

Professional-

Grade Construction: Tools are often made from durable materials such as aluminum alloy or hardened steel to ensure stability and longevity, even when cutting through tough armored sheaths.

Types of Optical Cable Stripping Tools

Hand Strippers: Simple, ergonomic tools for small-diameter cables and buffered fibers, often preset for specific jacket sizes. Longitudinal Strippers: Designed for cutting along the length of the cable, ideal for armored or multi-core fiber cables. Hot Knife Tools: Use heat to cut through thick or armored sheaths without fraying fibers.

Programmable or Machine Strippers: Automated devices like the Schleuniger B300 provide high-precision stripping for large-scale operations. Specialized Scissors and Shears: Kevlar scissors and jacket stripping tools are used for cutting strength members and tight jackets.

Applications

Optical cable sheath stripping tools are essential for fiber optic installation, maintenance, and repair, including FTTH (Fiber to the Home) deployments, industrial fiber networks, and telecommunications infrastructure. They ensure clean, precise access to fibers, reduce the risk of damage, and improve installation efficiency.

Conclusion

Choosing the right optical cable sheath stripping tool depends on cable type, sheath material, diameter, and the required precision. Professional tools from brands like Jonard Tools, Ripley® Miller, and Emtelle provide a range of options from manual hand strippers to advanced programmable machines, ensuring safe and efficient fiber optic cable preparation.

Article Content

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The Cable Cutting Machines & Stripper Tools category features a comprehensive selection of manual, semi-automatic, and fully-automated fiber cable tools designed for precision cutting and stripping of

Fiber and Cable Stripper – Types, Uses & Guide

Learn how to use fiber strippers, cable cutting scissors, and armored cable slitters. Discover their applications in fiber splicing, cable prep, and FTTH.

Fiber Optic Cable Stripping Tools and Equipment

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

Fiber Stripping Tools | Emtelle

Jacket Stripping Tool is designed to strip the outer sheath from tight jacket Cables/Microcables. Minicable Sheath Stripper slits the minicable sheath in diametrically opposite locations to expose the

FBT-3000 Automatic Fiber Jacket Stripping Machine

The FBT-3000 automatic fiber peeling machine is a new type of optical cable end processing equipment, which is based on the eagerness of optical fiber

Optical Fiber Strippers

Our range of optical fiber strippers extends from handy, pocket-sized tools to fully automated plasma-assisted stripping machines. In addition to a wide range of

Cable Slitters

The Miller Round Cable Slitters are manually operated cutting devices designed for fast, safe and precise jacket removal of PE, PVC and rubber jacket. The F1-114

Fiber Strippers – tools, mechanical, thermal, chemical,

Fiber strippers are precision tools that reliably and cleanly remove a defined length of coating (often 30–40 mm) from a fiber end so that the bare glass is exposed

Armored Cable Stripper 8–30mm for FTTH Fiber Optic

Description & Details Summary Versatile Cable Stripping Capability: This Transverse Armoured Cable Stripper is a versatile cutting tool designed for a wide range of cables, including armored fiber optic

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Aluminum strip longitudinal cladding twisted type optical cable (GYTA)
Communication use of metal reinforced components, loose sleeve layer twisted filling
type, aluminum polyethylene bonded sheath

Fiber Optic Cable Slitter, Cable Sheath Cutter

Fiber Cable Slitters Choose from Specialized Products" selection of fiber cable slitters
and cable stripping tools from the top brands in the business - Jonard Tools, Ripley
Miller, Corning, Eclipse and

The FOA Reference For Fiber Optics

Before beginning installation of fiber optic cables and hardware in a premises
installation, the site must be properly prepared for the installation of fiber optic

GYTA-4 4-core 8-core 12 core 24 core communication optical cable

Aluminum strip longitudinal cladding twisted type optical cable (GYTA)
Communication use of metal reinforced components, loose layer twisted filling type,
aluminum polyethylene bonded sheath

Fiber tools | Melbye

When Precision Matters, the Original is Still the Best The Miller® FO 103 Series of
fiber optic strippers is the ONLY fiber stripper with stripping holes created by the

Armored Fiber Optic Cable Stripping Tool SI

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

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