

Fiber Optic Cable Splicing and Stripping Tools

Article Overview

Fiber optic cable stripping and splicing require specialized tools such as hand strippers, thermal strippers, cleavers, crimpers, and splicing kits to ensure precise, damage-free fiber preparation and connection.

Stripping Tools

Hand Strippers: These are basic tools designed to remove the outer jacket, buffer coating, or aramid yarn from fiber optic cables. For example, the JIC-125 Fiber Optic Stripper removes 250 um buffer coating to expose the 125 um optical fiber, suitable for single fibers . **Thermal Strippers:** These use controlled heat to remove coatings, including baked-on or fluoroacrylate undercoatings, without damaging the fiber. Adjustable thermal strippers can handle cladding diameters from 30 um to 1000 um and buffer diameters up to 1200 um . **Mid-Span Slit & Ring Tools:** These allow technicians to access interior fibers in thick-walled cables without cutting the entire jacket, ideal for heavy-duty OSP MicroCore(R) cables or similar . **All-in-One Strippers:** Some tools combine jacket, buffer, and coating removal in a single device, providing consistent results for splicing and terminations .

Splicing and Cleaving Tools

Fiber Cleavers: Precision cleavers are used to create clean, flat fiber ends for splicing. They are available for both single fibers and ribbon cables, with replaceable blades and scrap collectors for field use . **Splicing Kits:** Fusion splicers or mechanical splicing kits join fibers with minimal signal loss. Thermal splicing tools often include dual heating modes and adjustable temperature settings for different fiber types and core counts . **Crimpers and Connector Tools:** Fiber crimpers are used for securing connectors such as ST, SC, LC, FC, and MTRJ. Die sets can be swapped for different connector types, and specialized insertion/extraction tools assist with high-density patch panels .

Cutting and Support Tools

Kevlar Cutters and Scissors: Designed to cut Kevlar strands, soft cable, and tape without fraying, these tools are made from high-carbon stainless steel for durability and ergonomic use . **Cleaning and Testing Accessories:** OTDRs, ultrasonic cleaners, and connector cleaning kits ensure fiber integrity and performance after stripping and splicing .

Key Considerations

- o Precision: Accurate stripping and cleaving prevent fiber damage and signal loss.
- o Compatibility: Choose tools that match fiber diameters, buffer sizes, and cable types.



Fiber Optic Cable Splicing and Stripping Tools

- o Durability: High-quality materials and ergonomic designs reduce hand strain and improve efficiency.
- o Versatility: Multi-purpose tools save time when working with different fiber types and connectors. Investing in professional-grade fiber optic tools ensures reliable splicing, clean terminations, and long-term network performance .

AFL Precision Strip Tool Battery Powered - S018613 Spec Sheet AFL's Precision Strip is a fast, simple solution for stripping fiber

Our fiber optic stripping tools are meticulously designed for clean, consistent results without damaging

Choose accessories for your next fiber optic installation, including cable fiber access tools, tool kits, polishing film, cleaning

Abalone Tech's Fibre Tool Kit is a collection of tools designed for working with fibre optic cables, which are used in

These fiber buffer stripping tools provide a quick, easy, and reliable way to remove the buffer from an

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

The Basic Fiber Optic Tool Kit provides you with dozens of basic tools that are essential for fiber optic termination and splicing. The

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

Check each product page for other buying options. Price and other details may vary based on product size and color.

Perfect for slitting and ringing cables, buffer tubes, and jackets on fiber optic cables. Blade depth is easily adjustable. Spring-loaded

Stanley offers a wide range of fiber optic tools that range from cable slitters, cable stripper, splicers and fiber cleaning pens and

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



Fiber Optic Cable Splicing and Stripping Tools

FC-71S Optical Fiber Cleaver High precision stripping tool Fiber optic cable cutter 16 cutting points 48000 times Cold joining Fiber

Fiber optic stripping tools: precise, calibrated removal of 3.0/2.0 mm jacket, 900 µm buffer, 250 µm coating.

In the ever-evolving world of high-speed connectivity, fiber optic technology serves as the backbone of

Australia's Leading Supplier of Fibre Optic Termination Tools, Cleavers, Kevlar Scissors, Strippers, Optical Fibre Scribes. Quality

Web: <https://bssoda.pl>

