

Single-core fiber optic splice heat shrink tubing



Article Overview

Single-core fiber optic heat shrink tubing protects and reinforces optical fiber splices while maintaining transmission performance.

Construction and Materials

Single-core heat shrink tubing typically consists of cross-linked polyolefin, a hot fusion tubing liner, and a stainless steel or ceramic reinforcing rod . The polyolefin provides shrinkable protection, the fusion liner rebuilds the fiber coating at the splice, and the reinforcing rod adds mechanical strength to prevent fiber breakage at the splice point . Some designs use 304-grade stainless steel, polished to remove burrs, which enhances corrosion and moisture resistance .

Protective Features

These sleeves are designed to maintain optical transmission properties while shielding the splice from environmental factors such as temperature fluctuations and humidity . The clear tubing allows visual inspection of the splice before shrinking, ensuring proper alignment and reducing installation errors . The sealing structure ensures the splice remains stable in harsh conditions.

Installation Process

- Slide the heat shrink sleeve over the fiber before splicing .
- Perform the fusion splice on the fiber....

Article Content

May 19, 2026

369305-000 | SMOUV-1120-01 | CommScope

SMOUV Fiber Optic Splice Heat Shrink Protective Sleeve for Single Fusion (See Specs for packaging size)

Feb 26, 2026

Fiber Optic Splice Protection Sleeves | Reliable Splice Guards

Discover premium fiber optic splice protection sleeves. Engineered for durability, our heat shrink sleeves ensure long-term protection

Apr 02, 2026

Splice Protectors Heat-Shrink Fusion Splice Protector Parts, Single ...

Corning heat-shrink sleeves are compatible with most splice trays offered and are compatible with all heat-shrink ovens offered with

Feb 09, 2026

200Pcs 60mm Fiber Optical Heat Shrinkable Tubes Dia 2.6mm

Reliable Design--The lock design at both ends of this fiber optic heat shrink tube can effectively prevent the inner steel

Aug 14, 2025

Fiber Optic Fusion Splice Sleeves 60mm x 2.6mm - 500 Pcs Bulk Heat ...

Ideal for fiber patch panels, repair kits, and home networking projects. The heat-shrink sleeves with EVA adhesive provide durable

Apr 01, 2026

Splice protection sleeves | Melbye

High-quality sleeves with glue and very good melting properties for protection of fiber optic fusion splices. Made up by crosslinked

May 16, 2026

Single heat shrinkable fiber optic splice protector BH-FSP

Applications: Heat shrinkable fiber optic splice protector provide strength and protection to optical fiber splices Characteristics: Easily

Jul 06, 2026

FTTH heat shrinkable fiber optic splice protector BH

Designed for FTTH optical engineering to households, with hot melt connection for the FTTH cables or

Mar 01, 2026

Amazon : Fiber Splice Sleeves

Premium 1200pcs Fiber Optic Splice Sleeves (2.6mm x 60mm) - Heat Shrink Tubing - 304 Stainless Steel - Enhanced Fusion

Dec 15, 2025

Smouv Heatshrink Fiber Fusion Splice sleeve.pub

Products Profit: Special designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing strength

Jan 05, 2026

500pcs Dia 5mm 60mm Length Fiber Heat Shrink tubing fibers

□Protect Fiber Fusion Points□Clear sleeve make it easy to detect splice before shrinkage,The fiber heat shrink

May 18, 2026

600pcs Fiber Optic Splice Fusion Sleeves, Fiber Heat Shrink Splice ...

The heat shrink tubing also protects the fiber splice from water, gas, dust and other substances. □Clear & Single Hole Fiber Splice

Jul 08, 2026

Fusion Splice Protection

Corning Cable Systems offers a variety of splice protection choices to meet your needs. All the types of protection pictured and

Jan 12, 2026

Heat Shrink Single Splice Fiber Sleeve 60mm

Fusion Splice Sleeves - 60mm - Single Fiber optical fiber heat shrink tubes consist of a rod of reinforcing

Jul 24, 2026

Dia 2.6mm 60mm Length Heat Shrinkable Tube 1.0mm Steel Needle

□Protect Fiber Fusion Points□Clear sleeve make it easy to detect splice before shrinkage,The fiber optic heat shrink

Jan 02, 2026

Fiber Splice Protectors

SMOUV Fiber Optic Splice Heat Shrink Protective Sleeve for Single Fusion (See Specs for packaging size and MOQ)

Jun 10, 2026

Fiber Optic Splice Protection Sleeves & Heat Shrink Tubing

It has three parts: a cross-linked polyolefin outer tube that shrinks with heat, a hot-melt EVA inner tube that flows and seals the

Dec 17, 2025

Fusion Splice Protection

Heat-Shrink Single-Fiber or Multi-Fiber Heat-shrinkable splice Splice protection continues to be the Protectors most popular method

Apr 02, 2026

ZoeRax Heat Shrinkable Tubing Fiber Optical Cable

ZoeRax Fiber Splice Sleeves Fusion Fiber Optic Cable Heat Shrinks Tubing 304 Stainless Steel PE Clear

Jan 12, 2026

Heat Shrinkable Connectors: Order Online! | WKK

Heat shrinkable fibre optic splice protectors are available in 10 variants/sizes. The differences lie in the length of the splice protector,

Aug 07, 2025

Heat Shrink Fiber Fusion Splice Protection Sleeves

Steel or all-dielectric heat shrink sleeves by Corning, Raychem, Mooseline. Single or ribbon fiber splices. 1.5, 2.0, 3.0mm in

May 14, 2026

Optical Fiber Heat Shrink Tube | Fiber Optic Heat

A specially designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing

Oct 29, 2025

Amazon : 60mm Clear PE Heat Shrinkable Tubing

Consist of a rod of reinforcing the splice, heat fusion tubing and cross-linked polyolefin, to provide

Dec 26, 2025

Fibre Optic Splice Protection Sleeve-Single Fibre FS-1260

It is specifically designed for the protection of fiber optical closure. This heat shrinkable tubes is for bare fiber protection, which has

Jan 06, 2026

Fiber Shrink Tube Fiber Splice Tube

Customizable color options for convenient installation and identification. Available with single fiber and

Feb 07, 2026

Splice Protectors Heat-Shrink Fusion Splice Protector Parts, Single ...

Corning offers a variety of splice protection choices to meet your needs. All the types of protection allow individual fiber access in the

Contact Us

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