Bare fiber optic pigtail heat shrink tubing



Overview

Amazon.com: Fiber Splice SleevesPremium 1200pcs Fiber Optic Splice Sleeves (2.6mm x 60mm) - Heat Shrink Tubing - 304 Stainless Steel - Enhanced Fusion Spli.

Key Takeaways

Bare fiber optic pigtail heat shrink tubing protects and reinforces fiber splices, providing mechanical strength, environmental resistance, and reliable optical performance.

Overview

Bare fiber optic pigtail heat shrink tubing is a specialized protective sleeve used in fiber optic splicing to safeguard delicate fibers and pigtail connections. It is designed to rebuild the fiber coating, provide mechanical strength at the fusion joint, and maintain optical transmission properties while preventing damage during installation and operation. Construction and MaterialsCross-linked polyolefin: Provides heat resistance, strength, and elongation properties for durable protection.

Hot melt inner tube: Ensures smooth, bubble-free shrinkage and seals the splice against moisture. Stainless steel or single steel wire rod: Reinforces the splice, prevents warping, and maintains fiber alignment during high-temperature shrinkage.

Eco-friendly P

E jacket: Offers abrasion resistance and environmental protection, suitable for indoor and outdoor installations. Clear sleeve: Allows visual inspection of the splice before heat shrinkage.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Features and Benefits

Mechanical reinforcement: The steel rod or wire provides structural support to prevent fiber breakage at the splice point. Environmental protection: Heat shrink tubing is moisture-resistant, corrosion-resistant, and can withstand temperature fluctuations from -45°C to +100°C. Easy installation: Pre-shrunk ends and smooth rod edges reduce the risk of fiber damage during insertion.

Customizable options: Available in different colors, lengths (commonly 60mm), and single or ribbon fiber configurations for identification and installation convenience. Durability: Resistant to heat shocks, aging, and repeated use, ensuring long-term protection of fiber splices.

Applications

Fiber optic cable splicing and termination: Protects fusion points in both bare fibers and pigtail cables. Indoor and outdoor installations: Suitable for telecommunications, data centers, and industrial fiber networks. Optical distribution frames and splice closures: Maintains signal integrity and prevents environmental damage.

Installation Notes

Slide the heat shrink tubing over the fiber splice before fusion. Align the steel rod or wire to reinforce the joint. Apply heat evenly to shrink the tubing, ensuring a tight seal around the fiber.

Inspect the splice through the clear sleeve to confirm proper alignment and protection. Bare fiber optic pigtail heat shrink tubing is an essential component for reliable, long-lasting fiber optic installations, combining mechanical strength, environmental resistance, and ease of use to protect delicate optical fibers.

Article Content

Amazon : Fiber Splice Sleeves

Premium 1200pcs Fiber Optic Splice Sleeves (2.6mm x 60mm) - Heat Shrink Tubing - 304 Stainless Steel - Enhanced Fusion Splicing Protection - PE Clear Coating, Hot Melt Adhesive - Reliable and

Fiber Shrink Tube Fiber Splice Tube

This specialized tubing is designed to protect and secure optical fibers, providing a durable and reliable layer that can withstand the harsh environments commonly

How to choose fiber optic heat shrink tubing? what''s the best ...

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

When selecting heat shrink tubing, ensure it''s matched to the type of fiber optic cable (bare fiber or drop cable) to guarantee a snug fit and adequate protection after heat shrinking.

Heat Shrinkable Tubing | Fiber Optic Splice Protector

WRSGX heat shrink tubing is heat shrinkable fiber optic splice protector designed to protect the bare fiber portion of a fusion splice, guaranteeing mechanical and

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 splice, and a stainless-steel strength member that keeps the bare fiber from

Fibre Optic Splice Protection Sleeve-Single Fibre FS-1560

It is specifically designed for the protection of fiber optical closure. This heat shrinkable tubes is for bare fiber protection, which has the characteristics of fast shrinkage and high efficiency.

60mm Fiber Optic Heat Shrink Tubing with Steel Needle for Bare

Shop 60mm Fiber Optic Heat Shrink Tubing with Steel Needle for Bare Fiber and Skinned Fiber Pigtail, Transparent PE Material, 100-Pack (C). Free delivery on eligible orders of £20 or more.

ZoeRax Heat Shrinkable Tubing Fiber Optical Cable

Easily use and avoid any damage to the optical fiber during installation, Airproof configuration keeping the splice point''s good resistance to humidity and

Fibre Optic Termination Techniques – Wray Castle

Introduction to Fibre Optic Termination Fibre optic termination is the process of preparing the end of a fiber optic cable so it can connect to network equipment, another cable, or a patch

Huijue optical cable manufacturer supply status Germany

All Companies and suppliers for huijue-optical-cable-manufacturer-supply-status Find wholesalers and contact them directly Leading B2B martketplace Find companies now!

Fiber Optic Splicing: Examining the Factors that Affect

Learn the the intrinsic and extrinsic factors that can impact fiber optic splice performance and how you can create the best fiber optic network.

Splicing of optical fiber

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

This document discusses optical fiber splicing. It describes three main splicing methods - de-matable connectors, mechanical splices, and fusion splices. Mechanical splices have higher losses than

Mechanical vs. Fusion Splicing: Which Is Right for You?

Comparing mechanical and fusion splicing for fiber optic cabling: costs, performance, and more. Discover the right splicing technique for your project needs with this informative guide from

The FOA Reference For Fiber Optics

Most fiber optic connectors are plugs or so-called "plug" or "male" connectors with a protruding ferrule that holds the fibers and aligns two fibers for mating. Ferrules

600pcs Fiber Splice Sleeves□2.6mm diam, 60mm

600pcs Fiber Splice Sleeves□2.6mm diam, 60mm Length□ Fusion Fiber Optic Cable Heat Shrinks Tubing 304 Stainless Steel PE Clear Bare Optical Fiber

The FOA Reference For Fiber Optics

Generally loose tube cables will have the tubes extending from the entrance of the closure to the tray, where they are secured, then approximately 1 meter of bare

Frequently Asked Questions

The usual method of splicing on pigtails is to splice the fibers and use the heat shrink tube to seal the splice and the fibers from the outside air and protect it from stress.

AMPCOM Optical Distribution Frame: The Backbone of High-Density Fiber

A structural ODF optical distribution frame integrates multiple subsystems into one chassis: Fusion splice trays — Protected cassettes where fibers are permanently fused, with heat

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Contact Us

Continue your research online:

Website: https://cjcconsultants.co.za
Technical inquiry: https://cjcconsultants.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved