Fiber optic heat shrink tubing 40mm



Overview

Consist of a rod of reinforcing the splice, heat fusion tubing and cross-linked polyolefin, to provide mechanical strength at the fusion joint area and keep optical transmission properties.

Key Takeaways

40mm fiber optic heat shrink tubing provides mechanical reinforcement, environmental protection, and secure sealing for fusion-spliced fiber optic joints.

Overview and Purpose

Fiber optic heat shrink tubing, also known as fusion splice protection sleeves, is designed to protect and reinforce spliced fiber optic joints. The 40mm length is compact, making it ideal for splice trays, closures, and limited-space installations in FTTH, FTTx, and telecommunication networks. When heated, the tubing shrinks uniformly around the splice, forming a tight seal that prevents moisture ingress, dust, bending stress, and mechanical damage.

Key Features

Mechanical Strength: Integrated stainless steel or reinforcing rods provide structural support to prevent fiber breakage at the splice. Environmental Protection: Heat-activated adhesive and cross-linked polyolefin create a hermetically sealed structure, offering resistance to humidity, temperature fluctuations, and corrosion. Optical Performance: Maintains fiber alignment and low insertion loss, ensuring reliable signal transmission.

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Ease of Installation: Compatible with all standard fusion splice machines and can be applied quickly using fiber optic heat ovens. Durability: Resistant to heat shocks, cracking, and dripping, suitable for both indoor and outdoor environments.

Typical Specifications

Length: 40mmInner Diameter: Typically 1. 0–1. 3mmOuter Diameter: Typically 2.

3–2. 6mmMaterial: Cross-linked polyolefin with stainless steel reinforcementFiber Capacity: Single fiber or multi-fiber ribbons (up to 12 fibers in some models), ApplicationsFTTH and FTTx networks: Compact size fits splice trays and closures. Telecommunication networks: Provides long-term protection for critical fiber splices.

Indoor and outdoor installations: Resistant to environmental stressors, ensuring reliable performance over time.

Summary

A 40mm fiber optic heat shrink tube is an essential component for mechanical reinforcement, environmental sealing, and optical performance preservation in fiber optic splicing. Its compact size, durable materials, and ease of installation make it suitable for a wide range of fiber optic network applications, ensuring long-term reliability and protection of spliced fibers.

Article Content

40mm Clear PE Heat Shrinkable Tube Fiber Optical Cable 2.6mm

Consist of a rod of reinforcing the splice, heat fusion tubing and cross-linked polyolefin, to provide mechanical strength at the fusion joint area and keep optical transmission properties.

KPS-40 Fiber Optical Fusion Splicer Fiber Protection Sleeve ...

The thermo shrinking type of splice protection sleeves consists of three parts, the outer heat shrinkable tubing, the inner hot melt adhesive tubing and the strength member.

40mm Clear PE Heat Shrinkable Tube Fiber Optical Cable 2.6mm Dia

40mm Clear PE Heat Shrinkable Tube Fiber Optical Cable 2.6mm Dia Fusion Splice Protection Sleeve 100pcs. Single holed (preshrunk)ends eliminates improper fiber threading.

AFL FP-05 S003027 Ribbon Fiber Protection Sleeves,

AFL FP-05 S003027 Fusion Splice Sleeves (40mm in length) ensure durable and reliable protection of ribbon fiber splices with a fiber cleave length 10mm. They

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Fusion Splice Protection Sleeves – Heat-Shrink Options

These sleeves prevent mechanical damage, moisture ingress, and environmental stress — all while keeping the optical fiber perfectly aligned inside. Available in

High Temperature, Heat Shrink Fusion Protection Sleeve, 40mm

Splice Tech has designed a series of high-temperature splice sleeves. These products also became suitable for other “harsh environment” high-reliability applications. They''re currently offered in

Heat Shrink Fiber Optic Fusion Splice Protection Sleeves

Heat Shrink Fiber Optic Fusion Splice Protection Sleeves 40mm 60mm Benefits Does not interfere with fiber transmission quality Protects the fiber joint and enhances mechanical durability

Fiber Optic Heat Shrink Tube 40mm 45mm 60mm Single Pin Double

Composed of high-quality cross-linked heat shrink tubing, hot melt adhesive layer, and stainless steel reinforcement pin, this product is engineered to protect fiber optic fusion splices or fault points.

Shenzhen FOP101 Fiber Optic Pigtail User Manual

Snabb guide Gather necessary tools: fiber fusion splicer, fiber stripping pliers, fiber cutting knife, anhydrous alcohol cotton, dust-free paper, heat shrink tubing, ODF distribution

i-Net Networks 12-Port Duplex LC Fiber Optic Patch Panel, Sliding ...

Description for i-Net Networks 12-Port Duplex LC Fiber Optic Patch Panel, Sliding Inclined Unloaded Panel with 24-Core Splice Cassette, 60mm Heat Shrink & Cable Gland, Black | PPFD-12-L

Product Datasheets

Glenair datasheets library. Download product specifications, performance data, and technical details for connectors, cables, and accessories.

Silicone Cold Shrink Tube: Guide to Benefits & Applications

What Is a Silicone Cold Shrink Tube? A silicone cold shrink tube is a pre-expanded, open-ended elastic sealing sleeve manufactured from high-grade silicone elastomer. It is engineered to

1000mm deep heat shrink tubing for airport fiber optic cables

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Overview The heat shrink tubes features: Cross-linked polyolefin and hot fusion material with a stainless reinforced steel rod. Preserves optical transmission performance and provides safe protection for

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The FOA Reference For Fiber Optics

Fiber optic joints or terminations - where cables are terminated - are made two ways: 1) connectors that mate two fibers to create a temporary joint and/or connect the fiber to a piece of network gear (left) or

Top 5 Fusion Splicers for 2026: Precision Tools for

Highlights •Fusion splicers are critical for low-loss, high-performance fiber optic connections in telecom, FTTH (Fiber-to-the-Home), data centers, and

The Complete Guide to Fiber Optic Cable Management

Ultimate fiber optic cable management guide: Best practices for installation, organization & maintenance - ensure network reliability.

How to Install Outdoor Fiber Optic Cable: Tips and Best Practices

This article details outdoor fiber optic cable types, selection criteria, and professional installation guidelines. It focuses on how to choose durable cables for different environments, and emphasizes

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