

12-core fiber optic cable heat shrink tubing

Article Overview

12-core fiber optic heat shrink tubing is a protective sleeve designed to safeguard fiber optic splices, providing mechanical strength, environmental sealing, and easy inspection of the splice.

Overview

12-core fiber optic heat shrink tubing is specifically designed for multi-fiber splicing applications, offering protection and structural support for the fusion points of optical fibers. It is commonly used in splice boxes, terminal boxes, distribution boxes, and joint boxes to maintain the integrity and performance of fiber optic networks .

Construction and Materials

- o Cross-linked polyolefin: Provides heat shrinkable properties and mechanical strength .
- o Hot melt inner tube: Ensures smooth, bubble-free shrinkage and seals the splice against moisture .
- o Reinforced stainless steel rod: Offers additional mechanical support to prevent fiber breakage at the splice point .
- o Transparent casing: Allows visual inspection of the fiber connection before and after shrinkage .

Key Features

- o Mechanical Protection: Strengthens the fusion joint area and prevents fiber breakage during handling or environmental stress .
- o Environmental Resistance: Resistant to moisture, UV rays, and temperature variations, ensuring long-term durability .
- o Ease of Installation: Designed for simple application, reducing the risk of fiber damage during installation .
- o Temperature Range: Typically operates from -45°C to +100°C, with full recovery at around 120°C .
- o Color Coding: Some products offer customizable color options for easier identification of individual fibers .

Applications

- o Fiber Splicing: Protects the splice point from environmental factors and mechanical stress .
- o Cable Repair: Covers damaged sections of fiber optic cables to restore integrity and prevent signal loss .
- o Termination Points: Ensures exposed fiber ends are insulated and protected .
- o Telecommunications and Data Networks: Widely used in optical communication systems for reliable performance .



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Summary

12-core fiber optic heat shrink tubing is an essential component for multi-fiber splicing, combining mechanical reinforcement, environmental protection, and ease of inspection. Its construction with cross-linked polyolefin, hot melt inner tube, and stainless steel reinforcement ensures that fiber optic splices remain durable, moisture-resistant, and capable of maintaining optimal optical transmission performance .

The fiber optic heat shrink tubes is tight and the metal support maintains its strength to prevent the fiber

For products that will be shipped via LTL, you will be provided with a set of Accessories to select from to provide Anixter with

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

Clear Optic Fiber Cable Protection Sleeve Heat Shrink Tube Single holed (preshrunk)ends eliminates improper fiber threading

Heat shrink tubing plays a critical role in safeguarding fiber optic cables within telecom networks, offering durability,

Heat shrink sleeves for single fibres High-quality sleeves with glue and very good melting properties for

Dual wall polyolefin shrink tubing with an adhesive liner is also available for applications that require superior strain relief and

600pcs 2.6mm Dia 60mm Length Heat Shrinkable Tube 1.0mm Steel Needle Popular Clear PE Fiber Splice Tubes

What is Heat Shrink Tubing Heat shrink is plastic tubing that shrinks when heat is applied. It is used to seal water,

This specialized tubing is designed to protect and secure optical fibers, providing a durable and reliable

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12-core fiber optic cable heat shrink tubing

It is a flexible tube that shrinks in diameter and increases in thickness when heated. In this way, it shrinks

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Heat Shrink Tubing for Fiber Optic Closures (terminal box) is with a layer of spiral coated hot melt adhesive

Medium wall heat shrinkable tube for fiber optic closure (terminal box) is with a layer of spiral coated hot melt adhesive in the internal

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