

Specifications of Fiber Optic Cable Horn Mouth Sleeves



Article Overview

Fiber optic horn mouth sleeves are protective splice sleeves designed to encase and reinforce fusion splices, typically featuring a stainless steel or ceramic strength member, inner adhesive layer, and heat-shrinkable polyolefin outer tube.

Structure and Materials

A standard fiber optic horn mouth sleeve consists of three main components:

- **Outer Heat-Shrink Tube:** Made from high-quality polyolefin, this tube shrinks uniformly when heated to tightly encapsulate the splice, providing mechanical protection and environmental sealing .
- **Inner Hot Melt Adhesive Layer:** Bonds the fiber and sleeve components during heat shrinking, ensuring protection against moisture, dust, and physical stress .
- **Strength Member:** Typically a stainless steel rod or ceramic insert that maintains fiber alignment, prevents microbends, and reinforces the splice zone for long-term durability .

Types and Variations

Horn mouth sleeves are available in several types depending on the application:

- **Standard Single Fiber Splice Sleeves:** Designed for individual fiber splices in typical FTTH or FTTx deployments

Article Content

Oct 18, 2025

Fiber Splice Protectors

SMOUV Fiber Optic Splice Heat Shrink Protective Sleeve for 12 fiber ribbons (See Specs for packaging size and MOQ)

Jun 03, 2026

Split Sleeves, Alignment Sleeves / Fiberwe

Fiber Optic Components Split Sleeve Alignment Sleeve Zirconia Split Sleeves are manufactured based on

Mar 21, 2026

FIBER OPTIC SPLICE SLEEVES

These small but important sleeves are used in the fiber optic industry. ACP's fiber splice sleeves are made

Mar 28, 2026

Fiber Optic Cable Buying Guide

Fiber Optic Cable Buying Guide Understand how to choose fiber optic cable by comparing single-mode vs. multimode, network

Apr 25, 2026

Fiber Optic Industry Glossary

This fiber optic terminology glossary includes definitions of components, principles, measurement units, industry standards and more

Nov 30, 2025

CORNING OPTICAL COMMUNICATIONS GENERIC SPECIFICATION

2.0 Fiber Specifications 2.1 Detailed information on the cabled performance of the fiber types available for this cable design can be

Jul 21, 2026

Splice Protection Sleeves | AFL Global

Splice Protection Sleeves delivers high-performance engineering, reliability and simplified deployment for critical network

Feb 14, 2026

Single Fiber Protection Sleeves

Single Fiber Protection Sleeves Description: Single Fiber Protection Sleeves are designed to restore mechanical

May 10, 2026

Fiber Optic Cable and Splice Closure Solutions | Corning

RocketRibbon® Cable and 2178-XL Closures Our Fiber Optic Splice Closure 2178 family is ideal for our

Mar 26, 2026

Fusion Splicing: Standard Sleeves: Dimensions & Applicable Fiber

This document provides information about splice protection sleeves for fiber optic cables. It describes various sleeve models for

Aug 31, 2025

Ceramic Ferrule | Split Sleeve | FC/SC/LC/MU Ferrule | LongXing

Ceramic ferrules are the core components of fiber optic products. Split sleeves are mainly used in adapters, which would be used to

Apr 03, 2026

Splice Sleeves Protection Fiber Optic | iFiber Optix

A fiber optic splice sleeve protects and reinforces a fusion-spliced fiber joint. After fusion splicing, the fiber

Nov 29, 2025

Amazon : Fiber Splice Sleeves

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

Sep 16, 2025

Fiber Optic Splice Protection Sleeves: Sizes, Types & How to Choose ...

A fiber optic splice protection sleeve is a heat-shrink tube that seals and reinforces a fusion splice. Get the type or size

Mar 06, 2026

Splice Protection Sleeve | OMC Fiber Optic Sleeves

As an optical fiber supplier, OMC provides high-quality splice protection sleeves and fiber optic sleeves,

Aug 21, 2025

Splice protection sleeves | Melbye

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

Dec 06, 2025

Fiber Optic Protection Splicing Sleeves Heat Shrink Tube

FEATURES Single holed (preshrunk) ends eliminates improper fiber threading.
Smooth, deburred stainless steel reinforcing member

Dec 02, 2025

FIBER OPTIC CABLE ASSEMBLY MANUFACTURABILITY AND

FIBER OPTIC CABLE ASSEMBLY MANUFACTURABILITY AND DESIGN GUIDE

INTRODUCTION The purpose of this document

May 05, 2026

Splice Protection Sleeves | AFL Global

Splice Protection Sleeves AFL offers a wide selection of fiber protection sleeves to meet any application.

Apr 12, 2026

All You Need to Know About Fiber Protection Sleeves

Protection sleeves are commonly used when two fibers are fusion spliced together. The protection sleeve is meant to protect the

Jun 24, 2026

Fiber Optic Protection Sleeves | Fiber Xpress Mart

Fiber splice sleeves, also known as fusion splice protectors, serve a crucial purpose in FTTH installations. These slim, tube-like

Jun 14, 2026

Fiber Splice Protection Sleeves

Standard Fiber Optic Splice Sleeves Standard fiber optic splice sleeve is with typical 40mm or 60mm length, with stainless steel rod

Feb 21, 2026

Fusion Fiber Splice Sleeves | Leviton Network Solutions

Leviton Fusion Fiber Optic Splice Sleeves, available in standard and slim styles, are designed with a stainless-steel strength

Sep 14, 2025

AFL Splice Protection Sleeves

AFL Telecommunications offers a wide selection of fiber protection sleeves to meet any application. The FP-03 series is the industry

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