

Fiber Optic Heat Shrink Tubing Size Specifications Table

Article Overview

Typical fiber optic heat shrink tubing has an inner diameter of 1.3mm, an outer diameter of 2.6mm, and a length of 60mm.

Standard Dimensions

Fiber optic heat shrink tubing is designed to protect and reinforce optical fiber splices. A common size includes:

- o Inner Diameter (ID): 1.3mm
- o Outer Diameter (OD): 2.6mm
- o Length: 60mm
- o Material: Cross-linked polyolefin with a stainless steel reinforcing rod
- o Operating Temperature: -45°C to +100°C, with full recovery at 120°C These dimensions ensure the tubing fits over the splice while providing mechanical strength and environmental protection .

Shrink Ratio and Selection

Most fiber optic heat shrink tubing uses a 3:1 shrink ratio, meaning the tubing can shrink to one-third of its original diameter. This allows it to accommodate the splice and surrounding fiber while forming a tight seal . When selecting tubing, measure the widest point of the splice and choose tubing with a pre-shrink ID slightly larger than that measurement to ensure proper fit and secure shrinkage.

Features and Reinforcement

- o Stainless Steel Rod: Provides mechanical support to prevent fiber breakage during installation and heat shrinkage .
- o Clear Sleeve: Allows visual inspection of the splice before shrinking .
- o Moisture and Heat Resistance: Cross-linked polyolefin and stainless steel construction protect against humidity, temperature fluctuations, and mechanical stress .
- o Airproof Configuration: Ensures the splice maintains resistance to environmental conditions, preserving optical transmission .

Summary

For most single-fiber splices, 1.3mm ID, 2.6mm OD, and 60mm length tubing is standard. The tubing's reinforced design and shrink ratio make it suitable for secure, durable, and environmentally resistant fiber



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optic connections. Always verify the tubing size against the splice dimensions to ensure proper fit and protection .

3MTM Heat Shrink Tubing Selection Guide Single-Wall Polyolefin Tubing FP-301 Flexible Polyolefin General purpose flame retardant

Heat shrink tubing is important for electrical insulation and protecting wires from damage. This plastic material shrinks when heated,

Learn how to calculate the correct heat shrink tubing size for your cables with our comprehensive guide, sizing

ADW - Heat Shrinkable Tubing for Fiber Optic Splice Closure"s outer heavy wall can provide reliable

Use our flow chart to find the correct heat shrink tubing for your particular application. the flow chart at the START point. You will be

Correctly sized tubing will conform to the substrate over which it is applied. It shrinks in diameter and in

Technical information provided consists of typical product data and should not be used for specification purposes. Unless otherwise

Fiber Heat Shrink Tube, also referred to as Fiber Splice Tubes, Fusion Protection Tube, or Splice

Heat-Shrink Sizes SIZE SELECTION Fluorotherm(TM) recommends size selection of an "as supplied or expanded" ID sufficient to slip

A tube with a lower shrink temperature will generally shrink faster. Products with higher shrink temperatures generally have higher

Once you have those two measurements, you can use the Heat Shrink Size Chart below to find the right fit for your

Before & After Measurements are exactly what they sound like: measurements of the heat shrink product before and after it has

1/2" Heat Shrink Tubing 2:1 55 FT Roll 1/2" Heat shrink Shrinks to .785" 2:1 heat shrink tube are UL and CSA certified, RoHS

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What Size Heat Shrink Tubing Do I Need? Determining which heat shrink size is right for you corresponds to the size

Learn more about the basic heat shrink tubing requirements. Heat-shrinkable tubing and other products

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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