

RIVO MULTITRADE OPTICAL SYSTEMS

What size heat shrink tubing is used for 30 fiber optic pigtails



Overview

It has fiber connector at one end, and the other is utilised in terminating fiber optic cables via fusion or mechanical splicing.

Key Takeaways

Use heat shrink tubing with a 3.0 mm inner diameter for 3.0 mm fiber optic pigtails.

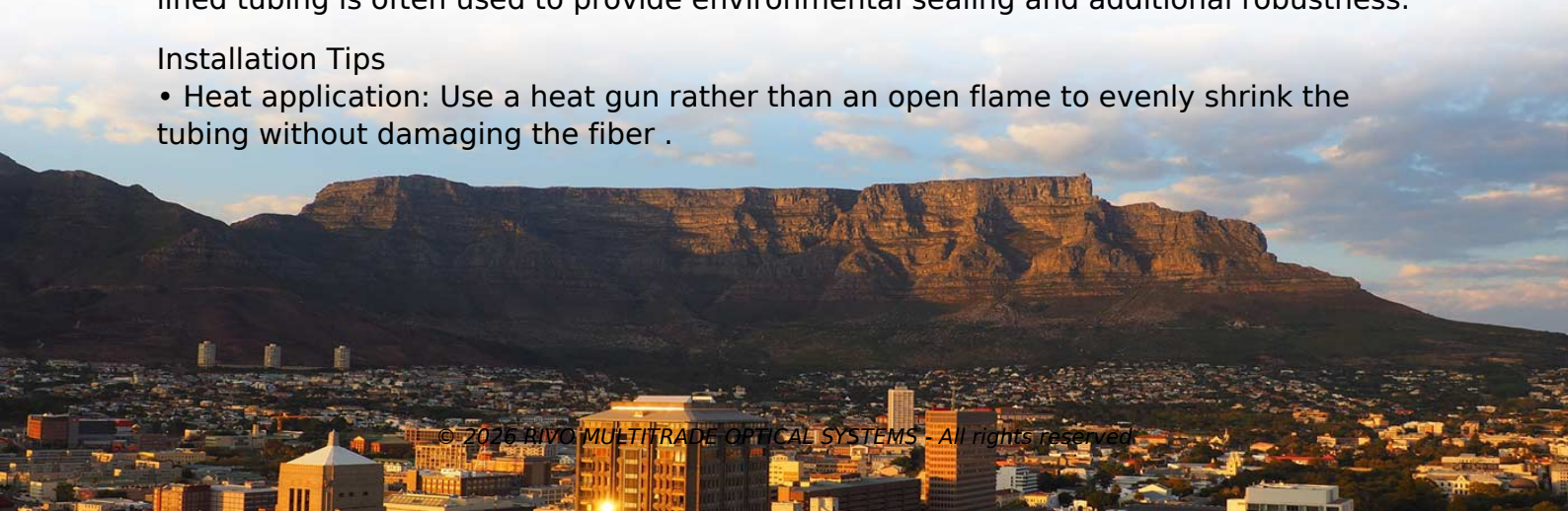
For 3.0 mm fiber optic pigtails, the recommended heat shrink tubing should have an inner diameter of 3.0 mm to properly fit the cable and provide mechanical protection at the splice or connector junction . These heat shrink sleeves are typically 40 mm in length, which is sufficient to cover the fusion splice area and allow for secure sealing .

Material and Construction

Professional fiber optic heat shrink tubing is usually made of cross-linked polyolefin with a clear fusion liner to maintain optical transmission properties while reinforcing the splice . Some designs include a stainless steel wire or rod reinforcement to enhance mechanical strength and prevent damage during installation . Adhesive-lined tubing is often used to provide environmental sealing and additional robustness.

Installation Tips

- Heat application: Use a heat gun rather than an open flame to evenly shrink the tubing without damaging the fiber .



- Shrink ratio: Ensure the tubing has a shrink ratio compatible with the fiber diameter; for 3.0 mm pigtails, a 2:1 shrink ratio is common.
- Positioning: Center the tubing over the splice or connector junction before heating to ensure full coverage and protection.

Summary

For 3.0 mm fiber optic pigtails, select 3.0 mm inner diameter heat shrink tubing, typically 40 mm long, made of cross-linked polyolefin with optional adhesive lining and reinforcement. This ensures proper mechanical protection, environmental sealing, and maintains optical performance at the splice point .

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Standard colors are WHITE and YELLOW. NOTE: Part number of M23053 heat shrink tubing shall be M23053/5-XXX-Y XXX =

How to Install Fiber Optic Pigtailes (Step-by-Step Guide)

Introduction Installing fiber optic pigtailes correctly is essential for ensuring low signal loss and long-term reliability.

How to choose fiber optic pigtailes?

Applications Fiber optic pigtailes are used to terminated fiber optic cables via fusion splicing or mechanical splicing as shown in the

Fiber Optic Pigtail: Types, Splicing Guide, Specs & Price

Fiber Optic Pigtail: Types, Splicing Guide, Specs & Price Fiber optic pigtail guide : SC/APC & LC/UPC

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