How to identify the model number of a fiber optic splice closure

Overview

Following these steps ensures accurate identification for installation, maintenance, or replacement purposes.

Key Takeaways

The model number of a fiber optic splice closure can be identified by examining the manufacturer's labeling, decoding the closure's naming convention, and noting its physical and technical characteristics.Check Manufacturer Labels and Markings

Most fiber optic splice closures have a label or engraving on the body that includes the model number, series, or part code. This label often contains information about the form factor, seal type, port configuration, and fiber capacity. Look for printed or embossed codes on the dome, base, or end caps of the closure.

Decode the Naming Convention

Manufacturers often use a systematic naming structure to encode key specifications. For example, FS closures use a code like FS-S010-1O4R-6-12F, where each segment represents:

• Series: Form factor and seal type

• Port configuration: Number and type of cable ports (e.g., oval or round)

• Maximum tray count: Number of splice trays supported

• Tray capacity: Number of fibers per tray Similarly, Corning's 2178 family includes models such as XSB, XLB, S, SL, LS, LL, and XL, with variations for flame-retardant or non-flame-retardant versions, allowing you to identify the closure type based on its series and configuration .

Observe Physical Characteristics

Closures can be dome-type (single-end entry) or inline-type (cable entries on both ends). Other physical features to note include:

• Number and type of cable ports

• Closure size and shape

• Tray type and capacity

• Sealing mechanism: mechanical, heat-shrink, or re-enterable gaskets These characteristics often correspond to specific models and can help confirm the model number when cross-referenced with manufacturer datasheets .

Use Manufacturer Datasheets and Catalogs

Consult the manufacturer's datasheets or online catalogs to match the observed features with the official model number. Datasheets provide detailed specifications, including fiber capacity, tray compatibility, and environmental ratings, which are essential for accurate identification .

Summary

To identify a fiber optic splice closure model number:

• Locate the label or marking on the closure.

• Decode the manufacturer's naming convention to understand series, port configuration, and tray capacity.

• Observe physical features such as closure type, port layout, and sealing method.

• Cross-reference with datasheets or catalogs to confirm the exact model. Following these steps ensures accurate identification for installation, maintenance, or replacement purposes.

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