Fiber Optic Splice Box Models and Specifications



Overview

Future-proof high-speed data transmission: Splice boxes from Phoenix Contact ensure continuously reliable real-time data transmission.

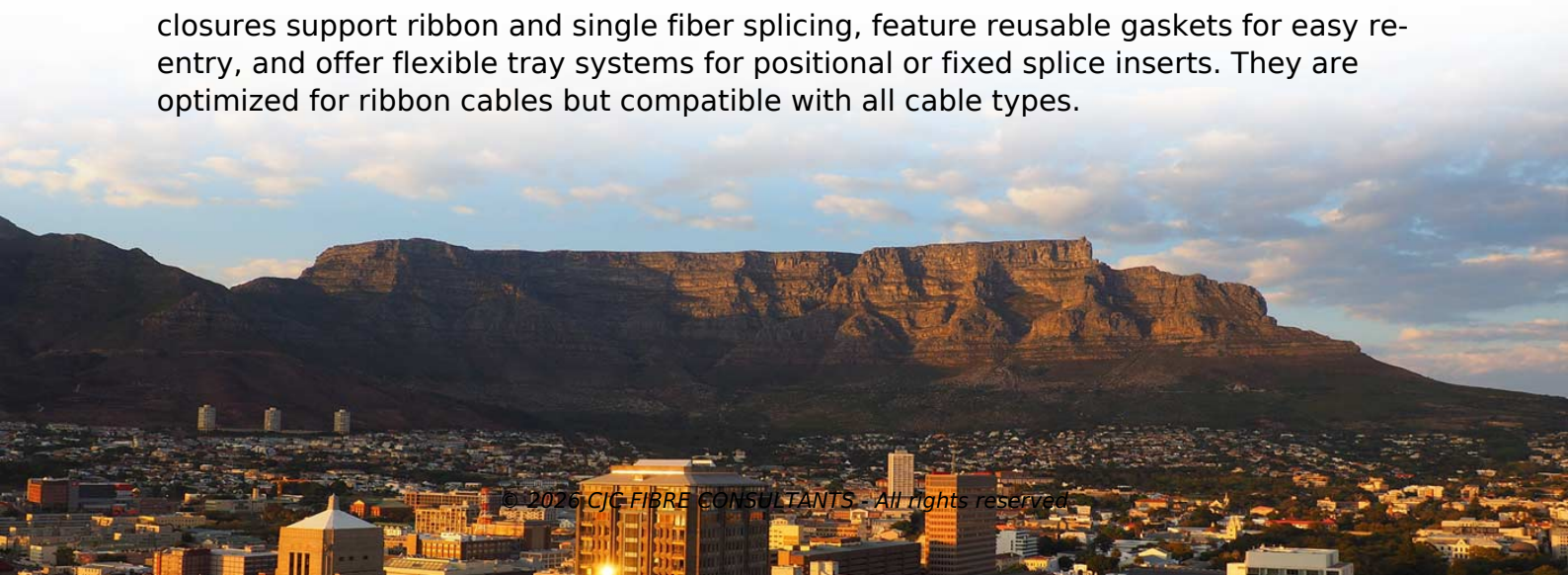
Key Takeaways

Fiber optic splice boxes come in a variety of models with capacities from 12 to 256 splices, designed for indoor or outdoor deployment, supporting single fiber or ribbon splicing, and often include splitter and adapter integration.

Common Models and Capacities

The Fiber Cable Splice Boxes: Offer wall- or pole-mount enclosures with splice capacities of 12, 18, 24, or 36 splices, with options for customization. Outdoor models are IP-rated, UV-resistant, and corrosion-resistant, suitable for FTTH/FTTB and campus networks. They include hinged covers, labeled splice slots, bend-radius guides, and cable strain-relief for easy installation and maintenance.

Corning 2178 Splice Closure Family: Includes seven models—XSB, XLB, S, SL, LS, LL, and XL—available in flame-retardant and non-flame-retardant versions. These closures support ribbon and single fiber splicing, feature reusable gaskets for easy re-entry, and offer flexible tray systems for positional or fixed splice inserts. They are optimized for ribbon cables but compatible with all cable types.



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Amphenol FS

B Series: Indoor wall-mount enclosures designed for centralized splice-only applications. They support ribbon or single fiber splicing, with removable splice trays, integrated baskets for loose tube storage, and multiple cable port sealing options (rubber grommets, compression seals, or conduit fittings). These enclosures are suitable for DAS, MTU, and MDU networks.

Phoenix Contact FD

X 20 Series: Compact DIN rail-mounted splice boxes for high-speed data transmission. They provide up to 12 duplex front connections, ensuring secure fiber connections in a compact, uniform design suitable for real-time data applications.

BW

N Fiber Splitter Boxes: Designed for FTTH deployments, these enclosures range from 16-port indoor wall-mount to 256-port underground handholes. They house splitters, splice trays, and adapter panels, managing cable strain relief, bend radius, and environmental sealing. They are used as optical distribution points where a single feeder fiber splits into multiple subscriber fibers.

Key Specifications and Features

Mounting Options: Wall-mount, pole-mount, DIN rail, or underground handhole. Environmental Ratings: IP-rated for outdoor use, UV-resistant, corrosion-resistant, and flame-retardant options. Splice Capacity: Ranges from 12 to 256 splices depending on model and configuration.

Splice Types: Supports single fiber splicing or ribbon splicing. Splitter and Adapter Integration: Many models allow PLC splitter mounting, adapter panels, or transition to patch cords. Installation Features: Hinged covers, labeled slots, bend-radius guides, cable strain relief, and removable trays for easy maintenance.

Customization: OEM/ODM options for branding, tray layout, enclosure color, and port labeling. ApplicationsFTTH/FTTB Networks: Residential or multi-dwelling unit deployments. Campus Networks: Backup splice enclosures for cable extensions or repairs.

Telecom Rooms or Equipment Racks: Concealed splice junctions.

High-

Speed Data Transmission: Real-time fiber optic connections in industrial or commercial settings. Fiber optic splice boxes are selected based on network scale, environmental conditions, fiber type, and splicing requirements, ensuring reliable protection, organized fiber management, and future scalability.

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Article Content

Compact FO splice boxes for DIN rails

Future-proof high-speed data transmission: Splice boxes from Phoenix Contact ensure continuously reliable real-time data transmission. With their compact and

2178 Splice Closure S/LS/LL/SL | Corning

The 2178 family includes seven distinct models – XSB, XLB, S, SL, LS, LL, and XL in flame retardant and non-flame-retardant versions with flexibility built-in for

Fiber Splice Boxes | Amphenol Network Solutions

Fiber splice boxes from Amphenol Network Solutions are designed for splice-only applications. They are suited for optical cable splice collection points for DAS,

Fiber Optic Splice Boxes: Selection Criteria, and

Choosing the correct Fiber Optic splice box is not merely about housing splices; it''s about protecting a critical network asset. The selection process must balance

Splice boxes | Phoenix Contact

Splice boxes ensure continuously reliable real-time data transmission. With their compact and uniform design, the splice boxes for both the DIN rail and 19" mounting provide ample interior space for the

Fiber Optic Splice Closures — Dome & Inline, 16-384

We offer a full range of fiber splice closures in various shapes, sizes, port configurations, and splice capacities to meet diverse outdoor cable connection

Distributors: Splice Boxes & Optical Network Terminal Boxes

Splice boxes, also known as fiber optic splice enclosures or fiber splice closures, are essential components in fiber optic networks. Their primary function is to protect and manage the spliced fiber

FO Splice Boxes in Glass-Fiber Reinforced Polyester

All product-related documents, such as certificates, declarations of conformity, etc., which were issued prior to the conversion under the name Pepperl+Fuchs GmbH

Fibre Optic (FO) distribution box; panel mounting; compact

Fibre Optic (FO) distribution box; panel mounting; compact dimensions, lockable, max. capacityx of 8 splicing cartridges ore one distribution plate. Photographs

Fiber Optic Box MAB

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The Fiber Optic Box MAB is used to store up to 60 splices or to terminate up to 12 fibers with SC/LC connectors in a flip tray splice system.

Fiber Optic Cable & Copper Wire Assemblies | ISO

LANshack offers premium fiber optic cable & copper wire assemblies. We have all the components to optimize & install your network!

OptiFiber® Pro OTDR Fiber Optic Cable Testing Tool

Fluke Networks OptiFiber® Pro OTDR built for enterprise fiber optic cabling certification testing. It supports copper certification, fiber optic loss, OTDR testing

Splicebox

A splice box (also known as splice distributor) is a housing in which fiber optic cables begin or end. Fiber optics are fanned out in splice boxes that are situated at the end of fiber optic transmission paths.

Fiber Splicing Enclosures Product Brochure

Durable, customizable protection for outdoor fiber cable runs Eaton''s Tripp Lite series fiber splicing enclosures include IP68-rated dome and horizontal models that completely encapsulate fiber cable

The Technical Specifications for Fiber Distribution Boxes

The fiber distribution box, also known as the optical fiber termination box, is a critical component in fiber optic networks. It is primarily used to terminate, splice, and organize optical fibers,

CommScope FOSC splice boxes | Foss Fiber Optics

Together with our partner, Commscope, we deliver quality splice boxes in the FOSC series. The FOSC-400 series has hot shrinkage of cable inlets. The FOSC-400G

Compact splice boxes for future-proof data transmission

Reliable data transmission in real time New splice boxes extend the Phoenix Contact fiber-optic range. The FDX 20 series splice boxes ensure continuously reliable data transmission in real time. The

Fiber Optic Splice Closure 2178 Family

You want to build reliable FTTP networks faster and cheaper. The expanded Fiber Optic Splice Closure 2178 family can help you meet these needs for most

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