

Six-port SC type fiber optic distribution frame

Article Overview

A six-port SC fiber optic distribution frame (ODF) is a compact unit designed to terminate, organize, and manage up to six SC fiber connections, suitable for desktop, wall-mounted, or rack-mounted installations.

Overview

A six-port SC ODF is a fiber management device that allows for the termination, distribution, and protection of optical fibers. It is commonly used in FTTH networks, enterprise networks, and data centers to organize fiber connections efficiently while maintaining signal integrity and minimizing insertion loss .

Key Features

- o Port Capacity: Supports six SC-type fiber connections, often with pre-installed pigtails for singlemode or multimode fibers .
- o Fiber Compatibility: Compatible with SC, LC, FC, and ST connectors depending on the model, allowing flexibility in network design .
- o Mounting Options: Available in desktop, wall-mounted, or 19-inch rack-mounted configurations. Rack-mounted versions may include side shelves for small devices or media converters .
- o Construction: Typically made of durable metal or high-quality plastic with protective coatings to prevent fiber damage and ensure long-term reliability .
- o Cable Management: Includes features like angled adapters, color-coded pigtails, and cable openings with grommets or glands to organize fibers neatly and reduce bend radius stress .
- o Performance: Designed to maintain low insertion loss and high return loss, ensuring stable and reliable optical connections .

Applications

- o FTTH Installations: Ideal for mini-network terminal distribution, connecting optical cables, patch cores, or pigtails in residential or small business setups .
- o Data Centers and Enterprise Networks: Rack-mounted six-port SC ODFs provide organized fiber termination and easy expansion for high-density environments .
- o Compact or Space-Constrained Environments: Desktop or wall-mounted versions are suitable for small network closets or office spaces where space is limited .

Additional Considerations

- o Expandable Design: Some models allow additional splice modules or adapters to increase port capacity

Six-port SC type fiber optic distribution frame

without replacing the entire frame .

- o Ease of Maintenance: Flip-up or removable panels simplify fiber access for splicing, testing, or reconfiguration .
- o Standards Compliance: Most six-port SC ODFs comply with international fiber optic standards, ensuring compatibility and reliability across different network equipment . In summary, a six-port SC fiber optic distribution frame is a versatile, compact, and reliable solution for managing fiber connections in small to medium-scale optical networks, offering flexibility in mounting, fiber type compatibility, and organized cable management.

Explore CommScope's efficient and scalable fiber splice panels designed for seamless connectivity.

The draw-out-type ABF ODF (optical distribution frame) is designed for the placement of up to 48 optical SC connectors or 96 LC

Optical distribution frame (ODF) is a frame used to provide space for fiber pigtails and fiber cable

The 6C DIN Rail Mounted Fiber Optic Terminal Box is a compact and reliable solution for

About this item ?6 Simplex SC-APC Kit?DIN Rail Fiber Enclosure with Spool 6 Strands 1.2m SC Pigtail, Fiber Type 0.9mm 9/125

LP-F194BBK08S1 24 Port Rack Mounted Optical Distribution Frame (ODF) SM Loaded with SC Duplex Foot Print Type Adaptors

We are a SC LC FC ST 6port Distribution Box 1u 19" Rack mount Sliding ODF Fiber Optic Patch Panel

Gcabling is a professional ODF manufacturers and suppliers, specializing in the manufacturing and

Explore optical distribution frames (ODF) with efficient distributed chassis solutions at CommScope

Size: 180 * 110 * 40mm, small size, simple structure, easy to operate, the package content includes: 1x6 core FTTH optical fiber

An optical distribution frame has the capability to integrate fiber splicing, termination, and cable connections into a single unit. ODFs

The "6 port" part indicates the number of ports on the unit, in this case, 6. "SC" refers to the Subscriber Connector type, which is one

Six-port SC type fiber optic distribution frame

About this item ?SC Fiber Optic Kit Panel?Wall Mount Fiber Enclosure with Spool 6 Strands SC Pigtail

We offer the fiber optical distribution frame with 1U 12 ports type, 1U 24 ports, 2U 36ports, 3U 48 ports and 4U 72 ports and 5U 96

The P-PSP-G19-1U-6-SC optical fiber distribution frame with a side shelf combines the features of two elements for installation of

SC LC fiber optic connection box with IP66 protection degree; It supports up to 8 users Handles fibers under reasonable fiber radius

Web: <https://www.millstraining.co.za>

