

Article Overview

A 12-core fiber optic ODF is a compact distribution frame designed to terminate, splice, and manage 12 optical fibers efficiently in telecom and data networks.

Overview

A 12-core Optical Distribution Frame (ODF) serves as a central point for connecting, managing, and distributing optical fibers from incoming and outgoing cables. It integrates fiber termination, splicing, storage, and distribution into a single frame or cabinet, ensuring stable signal transmission and organized network management . These ODFs are widely used in central offices, data centers, FTTH deployments, and enterprise networks .

Key Features

- o Core Capacity: Supports 12 fibers, with modular designs allowing easy expansion or replacement .
- o Connector Types: Compatible with SC, LC, ST, FC, SC/APC, and SC/UPC adapters, depending on the model .
- o Rack or Wall Mount: Standard 19-inch rack-mountable units (1U, 2U, 3U, 4U) or wall-mounted options for flexible deployment .
- o Fiber Management: Includes splice trays, bend-radius protection, and cable fixation to prevent signal loss and fiber damage .
- o Material and Durability: Constructed from cold-rolled steel or aluminum with corrosion-resistant surface treatment, ensuring long service life .
- o Modular and Front-Accessible Design: Each splice tray can be pulled out for easy operation, supporting both fusion and mechanical splicing .

Applications

- o Telecommunication Networks: Acts as a termination point for feeder and drop cables in FTTx systems .
- o Enterprise Networks: Provides organized fiber distribution for offices and data centers .
- o FTTH Deployments: Supports small-scale fiber distribution at the network edge, ensuring efficient signal routing and management .

Maintenance Tips

- o Regular Inspection: Check for loose connectors, damaged cables, and proper fiber routing .
- o Cleanliness: Keep connectors and adapters free from dust to prevent signal degradation .
- o Documentation: Maintain accurate records of splices, patch panels, and fiber connections .
- o Preventive Maintenance: Inspect and tighten components, including splice trays and mounting brackets, to



Fiber optic ODF 12 core

ensure physical integrity . A 12-core fiber optic ODF provides a reliable, compact, and flexible solution for managing small-scale fiber networks while ensuring efficient installation, protection, and maintenance of optical fibers.

12 Core ODF Optical Distribution Frame (ODF) is a device used in fiber-optic telecommunications networks to connect, manage and

Optical fiber distribution frame ODF rack mount offers 12, 24, 48, 96, 144 core ports. Made from zinc-plated cold roll steel sheet.

ODF Distribution Frame Unit Box SC/LC/FC/ST 12-96 Cores 19 Inch Rack Mount Fiber Optic Patch

1U Wall Mount Fiber Optic 12 Core ODF is a 1.19" standard size, easy to install Fiber patch panel with 12pcs SC/APC connectors

12 Core ODF Optical Distribution Frame (ODF) is a device used in

ODF Optical Distribution Frame 12 Core LC/UPC Coupler With Pigtail Optical Fiber Splicing Tray Item No.: 01037 OEM & ODM

Product Description optical fiber distribution frame ODF rack mount 12 24 48 96 144 core port ODF Rack

SJ-ODF-12 fiber ODF, ODF 12 core is used to distribute the optical fibers from the distribution frame to the

Maintenance Tips of the 12~144 Core Optic Distribution Frame Maintaining a 12~144 core optic distribution frame (ODF) is crucial to

ODF optical fiber distribution frame 12 24 48 72 96 144 core SC/FC/LC port standard 19-inch rack mount 1/2/4/6/8/12U ODF No

12 Cores Slidable Rack-mount Fiber Optic Distribution Frame for FTTH/FTTX Slidable rack-mount fiber optic distribution frame is with

Located in a telecommunications closet or directly on the factory floor, a 12-core backbone fiber is terminated within

ODF Optical Fiber Distribution Frame 12/24 Fibers Description: The fiber optic distribution box is widely used as a termination point for



Fiber optic ODF 12 core

12 Port ODF Key Features Workability & Widen working space Individual distribution panel for efficient work Steel plates and

ODF Optical Distribution Frame 12 Core LC/UPC Coupler With Pigtail Optical

SHG quality 12 cores 24 cores 48 cores 72 cores 96 cores ODF optical fiber distribution frame made by cold rolled steel sheet with

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