

India 48-core fiber optic distribution frame



Overview

ODF Fiber Optic Distribution Frame FC/UPC-48 Core for TelecomThe ODF Fiber Optic Distribution Frame FC/UPC-48 core is a stable and professional fiber manag.

Key Takeaways

48-core fiber optic distribution frames (ODFs) in India are widely available for FTTH, telecom, and access network deployments, offering modular, rack-mountable, and SC/APC adapter solutions for efficient fiber management.

Overview

A 48-core fiber optic distribution frame (ODF) is a compact device used to terminate, splice, store, and distribute optical fibers in a structured and organized manner. It serves as a junction point between incoming fiber cables and network equipment, enabling cross-connects and interconnections while protecting fibers from stress and signal loss.

Key Features

Adapter Types: Many 48-core ODFs use SC/APC adapters, which reduce back reflection and improve signal quality, making them suitable for high-performance access and aggregation networks. Rack Compatibility: ODFs are designed for 19" or 21" telecom racks, with options for sliding or fixed rack mounts, wall mounts, and mini LIU configurations. Fiber Management: Integrated trays and cassettes allow for organized splicing, termination, and storage, with clear routing paths and bend-radius protection to prevent fiber damage.

Material and Durability: Many ODFs feature anti-corrosion coatings and robust plastic or CRCA powder-coated steel structures for long-term indoor reliability. **Modularity:** Supports 12-core fiber cassettes, enabling flexible configuration and easy expansion of network capacity. **Applications** FTTH Networks: Ideal for fiber-to-the-home deployments, providing efficient distribution and easy maintenance.

Telecom and IS

P Networks: Used in central offices, access networks, and aggregation layers for structured fiber management. **Data Centers and Enterprise Networks:** Facilitates organized fiber routing and cross-connects in medium-density environments.

Suppliers and Manufacturers in India CCL Opto: Offers 48F SCPC 2U wall-mount and rack-mount fiber management systems with customizable configurations from 6 to 288 fibers.

AO

A Tech: Provides ODF-E-48 3U optical distribution frames with integrated splicing and distribution modules, suitable for FTTH access networks. **Fenxi Optoelectronics Technology:** Supplies SC/APC-48 core ODFs optimized for medium-density fiber distribution and high return loss performance.

Fiber

Fleet India: Offers a range of ODF/FMS solutions including sliding rack mount, fixed rack mount, wall mount, and mini LIU for single-mode and multimode fibers.

India

Mart Listings: A comprehensive directory of manufacturers, suppliers, and exporters of fiber optic distribution frames across India.

Conclusion

India has a robust market for 48-core fiber optic distribution frames, with multiple manufacturers providing modular, rack-compatible, and SC/APC-equipped solutions.

These OD

Fs are suitable for FTTH, telecom, and enterprise networks, offering reliable fiber management, easy maintenance, and scalable deployment options. When selecting an ODF, consider adapter type, rack compatibility, modularity, and environmental durability to ensure optimal network performance.

Article Content

ODF Fiber Optic Distribution Frame FC/UPC-48 Core for Telecom

The ODF Fiber Optic Distribution Frame FC/UPC-48 core is a stable and professional fiber management solution designed for telecommunications operators, system integrators, and optical transmission

ODF Fiber Optic Distribution Frame FTD-LC-SM-48 | 48-Core LC

Ideal for telecom operators, data centers, and enterprise networks, this distribution frame supports high-speed, long-distance single-mode fiber transmission. This fully loaded FTD-LC-SM-48 model

ODF Fiber Optic Distribution Frame FTD-LC-M3-48 | 48-Core LC Multi

Explore the ODF Fiber Optic Distribution Frame FTD-LC-M3-48 off-white with 48-core LC multi-mode connectors, optimized for high-speed 10 Gigabit fiber networks. Ideal for telecom, data centers, and

ODF Fiber Optic Distribution Frame SC/UPC-48 Core for FTTH

With SC/UPC adapters and support for up to 48 fiber cores, the product delivers low insertion loss and reliable performance, making it well suited for access networks and enterprise optical systems.

48 Core 2U Pull-out Fully Equipped (with simplex

Product Details The 48-Core ODF is a modular and highly flexible optical distribution frame, will adapt seamlessly to various machine types and

SP-FDF-2U-48P Fiber Optic 48Core Simplex Fiber Distribution Frame

Small size, lightweight, pleasing in appearance. With max fiber capacity 12-144cores, 12-144 adapter output, available for the installation of FC,SC,ST,LC adapters.

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24 Port Outdoor Fiber Optic Distribution Box | AZE

AZE's Outdoor Fiber Optic Distribution Box is applicable in FTTH project and suitable for building's outer walls application; They can distribute cables after

Fiber Optic Cable Cutting Machines Stripper Tools

Applications Cable assembly & patch cord fabrication. Optical distribution frame (ODF) preparation. Fiber optic component manufacturing lines. Maintenance & repair in FTTx installations. FAQ – Cable

All Kinds of Fiber Optic Patch Cords – SC, LC, FC, ST Explained

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to choose the right type.

48-Core Fiber Distribution Unit, Fiber Optic Distribution

In summary, the 48-Port Rack-Mounted Fiber Optic Patch Panel is a versatile and reliable solution for modern fiber optic networks, offering exceptional

SP-FDF-2U-48P Fiber Optic 48Core Simplex Fiber Distribution Frame

Product Description Fiber Optic 48Core Simplex Fiber Distribution Frame FDF can do 1U 2U 3U 4U patch panels, Applicable to FTTH project, fixed and welding with pigtails of drop cable of residential

ODF 48 Core Fiber Optic Distribution Frame

ODF 48 Core is a high-density fiber optic distribution frame designed to meet the ever-increasing demands of today's network systems. This product is ideal for

Fiber Optical Distribution Box

The fiber optic distribution box is used to convert distribution cables into individual cables to reach the end users. It provides a secure point for splicing, branching,

Wall mount optical distribution frame cabinet up to 48 core ...

Outdoor wall type fiber optic distribution frame is mainly used for connecting the outdoor optical cables, optical patch cords and optical pigtails. It can be wall mounted or pole mounted, and facilitates the

BISMON 48 Core ODF Fiber Optic Patch Panel Indoor Wall

BISMON 48 Core ODF Fiber Optic Patch Panel Indoor Wall Mount Enclosure Box Optical Distribution Frame (Full Set with SC/UPC Pigtail, Adapter, Splice Tray, Sleeve Protection)

48 Core ODF

48 Core ODF Optical Distribution Frame (ODF) is a device used in fiber-optic telecommunications networks to connect, manage and distribute optical fibers from incoming and outgoing cables. It acts

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

