Fiber Optic Distribution Frame Dimensions and Specifications



Overview

OPTICAL FIBER DISTRIBUTION FRAMES (ODF) AR-RODF-SO SeriesCATALOGUE OF PICTURES Picture 5-1 Appearance of AR-RODF-SO series Optical Fibre Distribution Frame.

Key Takeaways

Fiber Optic Distribution Frames (ODFs) come in various sizes, typically ranging from compact wall-mounted units to full-height 2. 2-meter rack-mounted frames, with modular widths and depths designed for high-density fiber management.

Standard OD

F SizesRack-Mounted ODFs: Full-height frames are commonly 2. 0–2. 2 meters tall, suitable for standard 19-inch or 23-inch racks.

Depths typically range from 400 mm to 600 mm, allowing sufficient space for fiber routing, slack storage, and splice trays. Widths are generally 19 inches (482. 6 mm) for standard rack compatibility, though some high-density frames may use wider modular designs.

Wall-

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Mounted OD

Fs: Compact units are designed for smaller installations, often 0. 5–1. 2 meters in height and 200–400 mm in depth, suitable for FTTH or small telecom closets.

These frames provide front access for patching and splicing while minimizing footprint in constrained spaces.

Modular and High-

Density ConsiderationsODFs are often modular, allowing multiple sub-racks or units to be stacked vertically within a single frame. Each module may hold 12–24 adapters per unit, with up to 6 units per sub-rack, and additional work tables for maintenance if fully populated. High-density frames can scale to hundreds or even tens of thousands of fibers, with modular widths and depths adjusted to accommodate MPO/MTP panels, splice trays, and cable management.

Installation and Cable Management

Cable entry can be from the top or bottom, depending on site requirements. Fully front-accessible designs allow easy maintenance and fiber routing, while maintaining bend-radius compliance and slack storage. Depth and internal layout are critical for proper fiber protection, splicing, and termination, especially in high-density deployments.

SummaryODFs are available in rack-mounted and wall-mounted formats, with heights from 0. 5 m to 2. 2 m, depths from 200 mm to 600 mm, and standard widths of 19 inches.

Modular designs allow scaling for high-density fiber networks, ensuring proper cable management, splicing, and termination while maintaining accessibility and protection. Selection depends on fiber count, installation environment, and future expansion needs.

Article Content

OPTICAL FIBER DISTRIBUTION FRAMES (ODF) AR-RODF-SO Series

CATALOGUE OF PICTURES Picture 5-1 Appearance of AR-RODF-SO series Optical Fibre Distribution Frames (ODF) Picture 5-2 Structure and dimensions of AR-RODF-SO series ODF (2.2 meter rack as

OPTICAL FIBER DISTRIBUTION FRAME

This frame is suitable for both common bundle cables and ribbon type cables. Reliable cable fixture cover and earth protection device provided. Integrated splice and distribution unit is adopted. Each

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The Norden High Density Floor Standing Fibre Optic Distribution

The Norden High Density Floor Standing Fibre Optic Distribution Frame is a durable and versatile solution designed for efficient fibre management in high-demand environments.

Fiber Distribution Frames (FDF)

Corning Fiber Distribution Frames (FDF) are configurable interconnect or cross-connect frames. These ultra-high connector density frames are modular and customizable, enabling designs that can serve

FACT® Optical Distribution Frames (ODF) for Central Office/Headend

Listen to Johan Van den Hende, Product Line Manager, to learn about the benefits of the FACT Frame, including scalability, modularity, and ease of installation. The FACT ODF solution starts with

FDF-ODF | CommScope

CommScope''s FDF Rear load frame is built to ensure commonality with patch cord routing, slack storage and fiber protection. It is shipped complete with enhanced front cable management, top and

Fiber Distribution Frame (ODF) — Floor Standing | TTI

Interested in this Fiber Distribution Frame? Tell us your quantity, cable length, and any custom requirements. Our engineering team will respond with a detailed quote within 24 hours. TTI Fiber is a

Optical distribution frames and patch panels

A range of single-unit frame and panel solutions for fiber splicing, adapters, connectors and multi-facility cable interconnections that protect fiber optic connections from damage.

Optical Distribution Frames (ODF) for Central Office/Headend

An Optical Distribution Frame (ODF) is a central hub in fiber optic networks, crucial for managing and organizing the myriad of fiber optic cables and connections entering a facility. Unlike standard racks

ODF: Optical Distribution Frame

ODF, or Optical Distribution Frame, is a high-capacity, high-density frame used for fiber optic cable connection, distribution, dispatch, and management.

13-SDMS-06 REV. 00 MATERIAL SPECIFICATION FOR PASSIVE OPTICAL FIBER ...

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The fiber optic distribution components may be installed at various locations within the FTTx network, including but not limited to buildings and collocation centres, equipment racks, street or pole

Fibre Optic Cable

over 20 years experience in fibre optic manufacturing. Optronics products are available directly from FibreFab or from our worldwide distribution partners. The Optronics fibre optic cable range includes

Optical Fiber Distribution Frame

ODF optical fiber distribution frame is flexible in configuration, easy to install and use, easy to maintain, and easy to manage. It is an essential equipment for optical fiber communication cable network

Floor-mounted Fibre Optic Distribution Frame Q-Fiber

Floor-mounted Fiber Optic Distribution Frame Q-Fiber consists of the box and distribution board. The installation of a drawer (DS) makes it possible to extend the ODF to an extendable version.

Optical Cable Termination Box

Optical Distribution Frame distribution frame is used in 19” standard cabinet, with immense thickness, substantial space and full is 1U-4U, operation malleable ST adapters, distribution bundle and non

Fiber Optic Distribution Boxes (FDB) & ODF Supplier

OTRANS is a leading fiber optic distribution box manufacturer. We offer a wide range of 1-24 core FDB boxes and ODF cabinets for indoor/outdoor FTTX deployment. Durable, IP65 rated, and easy to

Optical Distribution Frame (ODF)

Optical Distribution Frame (ODF) Annexecom ODF is a high capacity, high-density fiber distribution frame, suitable for the composition and distribution of fibers in optical access network to achieve the

Rack Mount Distribution Frame

Rack Mount Distribution Frame Techlogiks 19”rack mount optical fiber distribution frame is available from 12 to 144 fiber capacity and suitable for different types of fiber adaptors like LC, SC, ST, FC, E2000,

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African project coordination: Century City, Cape Town, Western Cape, South Africa

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

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