FS

Customized Optical Distribution Frame (ODF)

Data Center & Cloud Computing Infrastructure Solutions

Overview

Optical distribution frame (ODF) is a frame used to provide cable interconnections between communication facilities, which can integrate fiber splicing, fiber termination, fiber optic adapters & connectors and cable connections together in a single unit.

It is usually used as the interface between optical transmission network, optical transmission facility and between optical cables in access network of optical fiber subscribers. It can also work as a protective device to protect fiber optic connections from damage.

Features

- Easy access to connectors
- High density
- Comprehensive cable management

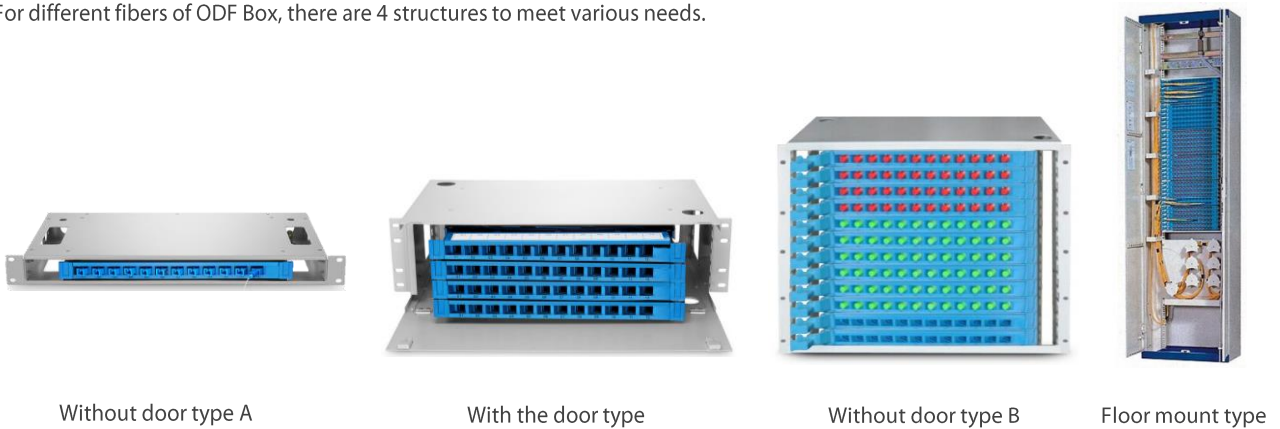## Application

- FTTH Applications

Technical Specification

Parameters	FS-ODF
No. of Adapter/Port	12/24/48/72/96/144/576/792
Suitable Adapter 1	Simplex SC (with Flange)
Max. Capacity of Fiber 1	12/24/48/72/96/144/576/792 Fibers
Suitable Adapter 2	Duplex LC with SC Footprint (with Flange)
Max. Capacity of Fiber 2	24/48/96/144/192/288/1152/1584 Fibers
12 Fibers Splice Tray	1/2/4/6/8/12/48/66
Material	SPCC
Standard Color	Light gray
Operating Temperature	-10~ +60℃
Storage Temperature	-20~ +85℃
Atmospheric Pressure	70KPa~ 106KPa
Relative Humidity	≤ 85% (+30℃)

Notes:

1. This product comes with splice tray, but no any pigtails or adapters.

2. This product is matched with Simplex SC Adapters by default. If there are demands for matching with Duplex LC with SC Footprint (with Flange) Adapters, fibers and pigtails should be installed compact in the Box.

3. ODF Box is equipped with optical splice protection sleeves for the standard Simplex SC Adapters.

Structure of ODF Box

For different fibers of ODF Box, there are 4 structures to meet various needs.

| Without door type A | With the door type | Without door type B | Floor mount type |

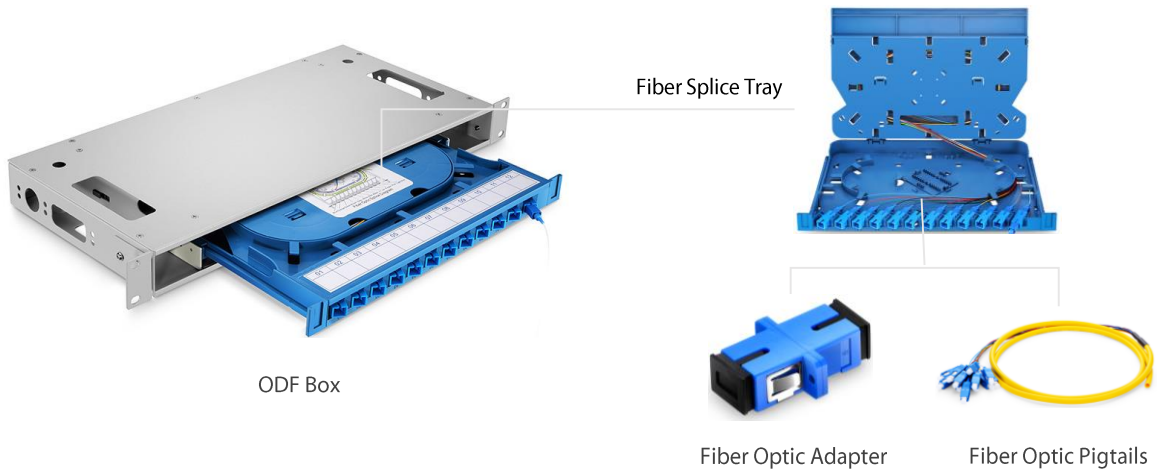| Capacity of Fiber	Structure
12 Fibers	Without door type A
24/48/72/96 Fibers	With the door type
144 Fibers	Without door type B (with side cable manager)
576/792 Fibers	Floor mount type

*Note: The fiber capacity of ODF Box is calculated by matching with the Simplex SC Adapters by default.

Dimensions (HxWxD)

Capacity of Fiber	Dimensions (HxWxD)
12 Fibers	1.75"x19.00"x8.27" (44.5x480x210mm)
24 Fibers	3.50"x19.00"x11.02" (89x480x280mm)
48 Fibers	5.25"x19.00"x11.02" (133.5x480x280mm)
72 Fibers	7.00"x19.00"x11.02" (178x480x280mm)
96 Fibers	10.50"x19.00"x11.02" (267x480x280mm)
144 Fibers	14.00"x19.00"x8.27" (356x480x210mm)
576 Fibers	86.61"x23.62"x11.81" (2200x600x300mm)
792 Fibers	102.36"x23.62"x11.81" (2600x600x300mm)

Usage of ODF Box

ODF Box equipped with fiber splice tray should be used together with adapters and pigtails (not included in the product) forcable interconnection and management.

Fiber Splice Tray

ODF Box

Fiber Optic Adapter

Fiber Optic Pigtails

Ordering Information

ID	Description
17579	LC/UPC to LC/UPC Duplex Single Mode SC Footprint Plastic Fiber Optic Adapter/Mating Sleeve with Flange
48503	LC/UPC to LC/UPC 10G Duplex OM3 Multimode SC Footprint Plastic Fiber Optic Adapter/Mating Sleeve with Flange, Aqua
48488	SC/UPC to SC/UPC Simplex Single Mode Plastic Fiber Optic Adapter/Mating Sleeve with Flange
48491	SC/APC to SC/APC Simplex Single Mode Fiber Optic Adapter/Mating Sleeve with Flange
42412	1.5m (5ft) LC UPC 12 Fibers OS2 Single Mode Bunch PVC (OFNR) 0.9mm Fiber Optic Pigtail
42312	1.5m (5ft) LC APC 12 Fibers OS2 Single Mode Bunch PVC (OFNR) 0.9mm Fiber Optic Pigtail
42410	1.5m (5ft) SC UPC 12 Fibers OS2 Single Mode Bunch PVC (OFNR) 0.9mm Fiber Optic Pigtail
42310	1.5m (5ft) SC APC 12 Fibers OS2 Single Mode Bunch PVC (OFNR) 0.9mm Fiber Optic Pigtail

*Standard products are listed above. Customized specifications are available upon request.

FS

United Kingdom
Russia
Germany
United States
China
Singapore
Australia

🔒 https://www.fs.com ☆

The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.