*RACK MOUNT SLIDE-OUT* TYPE
*FIBER DISTRIBUTION ENCLOSURES*

## Description

The rack mount slide-out type fiber optic distribution enclosures perform fiber splicing, distribution, termination, patching, storage and management in one unit. They support both cross-connect and interconnect architecture, and provide interfaces between outside plant cables and transmission equipment.
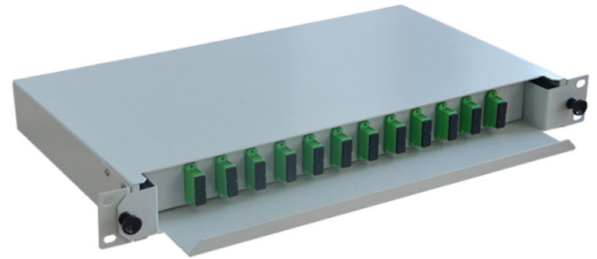


Fig. 1 Distribution enclosure

Each distribution enclosure incorporates a slide-out drawer to allow full frontal access and operation. The slide-out drawer has universal adapter plug-ins on the patch panel and has splice tray(s) behind the patch panel.
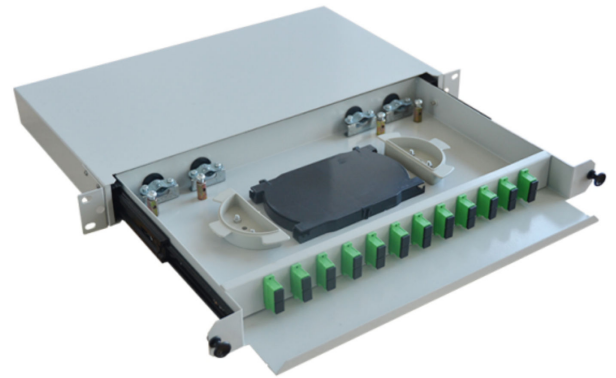
Additional splice trays can be stacked on top to increase capacity. Each splice tray can accommodate up to 24 single fiber splice protection sleeves (with diameter of 2.3mm) or 6 ribbon splice protection sleeves. Splice trays can be opened individually and removed from the drawer. Excess length of cables/pigtails is stored in reels behind the patch panel.



Fig. 2 Distribution enclosure with drawer slid out

The distribution enclosures employ fiber guide mechanism at specific points of the fiber patch providing fiber bend control. Horizontal cable guide is also incorporated at on the front of the patch panel of each distribution enclosure to allow the horizontal routing of patch cords. The horizontal cable guide is removable and position adjustable. The outside-plant cable input ports are located at the rear of the side panels.



Fig. 3 Splice trays

The fiber distribution enclosures are rack mountable in standard 19" or ETSI (515mm) equipment rack, and are available in Rack Units of 1 or 2.

RACK MOUNT SLIDE-OUT TYPE FIBER DISTRIBUTION ENCLOSURES

## Features

- 19", ETSI or 23" rack mount
- Provides fiber splicing, termination,management and storage in one unit
- Easy frontal access
- High density - up to 48 fibers for a 1U unitand 96 fibers for a 2U unit when LCduplex is used
- Slide-out patch panel and splice traydrawer
- Each splice tray is removable for off-racksplicing
- Supports single and ribbon fiber splices
- Horizontal cable guide removable andposition adjustable
- Made from cold-rolled carbon steel sheets
- Low cost

## Applications

- Interconnects
- Cross-connects
- Independent service providing
- CATV networks
- Main distributions
- Intermediate distributions
- Telephone closets

## Specifications

| Distribution Enclosures | | | | | |
|---|---|---|---|---|---|
| Type | | | ODF-SB1 | ODF-SB2 | ODF-SB4 |
| No. of Rack Units | | | 1 | 2 | 4 |
| Max Capacity* | | Simplex | 12 fibers | 24 fibers | 48 fibers |
| | | Duplex | 24 fibers | 48 fibers | 96 fibers |
| | | Simplex | 24 fibers | 48 fibers | 96 fibers |
| | | Duplex LC & MTRJ | 48 fibers | 96 fibers | 192 fibers |
| Max. No. of Splice Trays | | | 2 | 4 | 8 |
| Weight | | | $\leq$3.0kg | $\leq$4.0kg | $\leq$5kg |
| Dimension w/o brackets & cable guide*3 | | | 45x430x229 mm$^3$ | 90x430x229 mm$^3$ | 178x430x229 mm$^3$ |
| Dimension with 19" brackets, w/o cable guide*3 | | | 45x482x229 mm$^3$ | 90x482x229 mm$^3$ | 178x482x229 mm$^3$ |
| Dimension with 19" brackets & cable guide*3 | Cable guide position 1 | | 45x482x280 mm$^3$ | 90x482x280 mm$^3$ | 178x482x280 mm$^3$ |
| | Cable guide position 2 | | 45x482x300 mm$^3$ | 90x482x300 mm$^3$ | 178x482x300 mm$^3$ |

# Ordering Information

Part Number:    **ODF-SB 2 FC R 48 S**
                    **1 2 3 4 5 6 7**

| **1** | Product Type | SB | Slide-out type fiber distribution enclosure, |
| | | ST | Splice tray |
| **2** | Size | 1 | 1U |
| | | 2 | 2U |
| | | 4 | 4U |

| **3** | Adapter Type | FC | FC/PC |
| | | FA | FC/APC |
| | | SC | SC/PC simplex |
| | | SC2 | SC/PC duplex |
| | | SA | SC/APC simplex |
| | | SA2 | SC/APC duplex |
| | | ST | ST/PC |
| | | LC | LC/PC simplex |
| | | LC2 | LC/PC duplex |
| | | E2 | E2000/PC simplex |
| | | MR | MTRJ |
| | | DN | DIN/PC |
| | | DNA | DIN/APC |
| | | Blank | For splice tray, horizontal cable guide and mounting bracket. |

| **4** | Adapter Grade | R | Single mode (SM) |
| | | K | Multimode (MM) |

| **5** | Number of Ports | 12 | Single fiber, 12 ports, loaded with adapters and 1 splice tray |
| | | 24 | Single fiber, 24 ports, loaded with adapters and 2 splice trays |
| | | 36 | Single fiber, 36 ports, loaded with adapters, and 3 splice trays for 2U box or 2 splice trays for 1U box[4] |
| | | 48 | Single fiber, 48 ports, loaded with adapters, and 4 splice trays for 2U box or 2 splice trays for 1U box[4] |
| | | 72 | Single fiber, 72 ports, loaded with adapters, and 6 splice trays for 4U box or 4 splice trays for 2U box[4] |
| | | 96 | Single fiber, 96 ports, loaded with adapters, and 8 splice trays for 4U box or 4 splice trays for 2U box[4] |
| | | 144 | Single fiber, 144 ports, loaded with adapters, and 8 splice trays[4] |
| | | 192 | Single fiber, 192 ports, loaded with adapters, and 8 splice trays[4] |
| | | 12R | Ribbon fiber, 12 ports, loaded with adapters and 1 splice tray |
| | | 24R | Ribbon fiber, 24 ports, loaded with adapters and 1 splice tray |
| | | 36R | Ribbon fiber, 36 ports, loaded with adapters and 1 splice tray |
| | | 48R | Ribbon fiber, 48 ports, loaded with adapters and 2 splice trays |
| | | 72R | Ribbon fiber, 72 ports, loaded with adapters and 2 splice trays |
| | | 96R | Ribbon fiber, 96 ports, loaded with adapters and 3 splice trays |
| | | 144R | Ribbon fiber, 144 ports, loaded with adapters and 4 splice trays |
| | | 192R | Ribbon fiber, 192 ports, loaded with adapters and 6 splice trays |

| 6 | Bracket Type | S | For standard 19" rack |
|---|---|---|---|
| | | E | For ETSI rack |
| | | W | For 23" rack |

| 7 | Custom Code | Blank | Standard |
|---|---|---|---|
| | | XXX | 000, 001, 002, ......The code is defined upon request. |

*4 2.3mm diameter splice protection sleeves are used. 3mm diameter sleeves are used for others.

**Part Number Examples**

| Part Number | Description |
|---|---|
| ODF-SB1FCR12S | Distribution enclosure, 1U, 19" rack mount, 12 SM FC adapters loaded, for single fiber splicing. |
| ODF-SB1SA2R24E | Distribution enclosure, 1U, ETSI rack mount, 12 SM SC/APC duplex adapters loaded, for single fiber splicing. |
| ODF-SB1LC2K48S | Distribution enclosure, 1U, 19" rack mount, 24 MM LC duplex adapters loaded, for single fiber splicing. |
| ODF-SB2SC2R48S | Distribution enclosure, 2U, 19" rack mount, 24 SM SC duplex adapters loaded, for single fiber splicing. |
| ODF-SB2STK48W | Distribution enclosure, 2U, 23" rack mount, 48 MM ST adapters loaded, for single fiber splicing. |
| ODF-SB2MRK96S | Distribution enclosure, 2U, 19" rack mount, 48 MM MTRJ adapters loaded, for single fiber splicing. |
| ODF-SB4SCK72S | Distribution enclosure, 4U, 19" rack mount, 72 MM SC simplex adapters loaded, for single fiber splicing. |
| ODF-SB4FAR96S | Distribution enclosure, 4U, 19" rack mount, 96 SM FC/APC simplex adapters loaded, for single fiber splicing. |
| ODF-SB4LC2R144E | Distribution enclosure, 4U, ETSI rack mount, 72 SM LC duplex adapters loaded, for single fiber splicing. |
| ODF-SB2LC2R96RS | Distribution enclosure, 2U, 19" rack mount, 48 SM LC duplex adapters loaded, for ribbon fibber splicing. |
| ODF-SB4LC2R144RS | Distribution enclosure, 4U, 19" rack mount, 72 SM LC duplex adapters loaded, for ribbon fiber splicing. |
| ODF-ST12 | Splice tray for single fiber splice, 12 splice protection sleeves included. |
| ODF-ST24 | Splice tray for single fiber splice, 24 splice protection sleeves included. |
| ODF-ST48R | Splice tray for ribbon fiber splice, 4 splice protection sleeves included. |
| ODF-ST72R | Splice tray for ribbon fiber splice, 6 splice protection sleeves included. |