

Rack-Mount Optical Fiber Distribution Enclosures

Optical fiber distribution enclosures provide flexibility along with a high termination density when cross- or interconnections and splicing are required together at a single distribution point. Combining features of Signamax rack-mount optical fiber enclosures and rack-mount optical fiber splice enclosures, fiber distribution enclosures allow to terminate and splice maximum number of optical fibers within one enclosure.

Signamax rack-mount optical fiber distribution enclosure's termination density ranges between 24 and 288 fiber connections depending on the enclosure size (4 or 8 RMS) and optical fiber connectors used. Modular design of Signamax optical fiber adapter plates allows creating flexible connection patterns based on 6-, 8-, 12-, 16-, and 24-fiber ST-, FC-, SC-, LC- and MT-RJ-adapter plates, which can be arranged in 4- to 12-plate groups in any available connector combination. Splicing capacity ranges between 24 and 192 splices depending on the enclosure size and number (up to 8) of 24-fiber splice trays used. Unique splice tray stacking mechanism allows adding trays and servicing each of them without disassembling the stack.

All enclosures feature front and rear access hinged panels and sliding-out support stages. The transparent plastic front panel enables visual inspection of the panel contents when closed. Internal cable anchor points and fiber slack management mechanisms ensure reliable cable fixing, safe cable/fiber tension and bend radii. Cable entry points are equipped with rubber grommets preventing dust penetration when the entry point is not used, and protecting optical fiber cable from kinks that sharp edges of the enclosure case may cause. Light aluminum case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections.

Enclosures are supplied with a complete set of fastening elements and installation guidelines.

KEY FEATURES

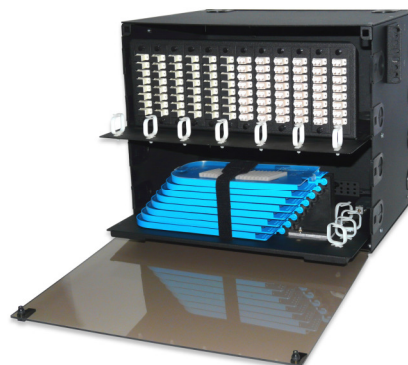
- Termination density – 24 to 288 optical fibers
- Rack mount space – 4 or 8 RMS
- Number of adapter plates per enclosure – 4 or 12
- Number of splice trays per enclosure – 4 or 8
- Internal cable anchor points
- Rubber grommets on cable entry points
- Modular design of adapter plates – flexible connection patterns
- Adapter plates mount easily by means of plunger locks
- Front and rear access hinged panels
- Transparent plastic front panel
- Fiber slack management mechanisms
- Sliding-out support stages
- Light aluminum case
- High-impact black epoxy-powder anticorrosive paint

ORDERING INFORMATION

Optical Fiber Distribution Enclosures

Part Number	Description
UFD4-B	24- to 96-fiber optical fiber distribution enclosure. Accepts four adapter plates and four splice trays. Includes one FST-24P splice tray, mounting accessories for 19- and 23-in flange standards.
UFD12-B	72- to 288-fiber optical fiber distribution enclosure. Accepts twelve adapter plates and eight splice trays. Includes one FST-24P splice tray, mounting accessories for 19- and 23-in flange standards.

NOTE: Product pictures show enclosures loaded with optical fiber adapter plates and maximum number of splice trays for illustration purposes only. Adapter plates and additional splice trays should be ordered separately.



Rack-Mount Optical Fiber Distribution Enclosures

SPECIFICATIONS

• CONSTRUCTION

0.060-in aluminum
Electrostatically-applied polyester powder coat
Clear-plastic hinged front cover

• CAPACITY

UFD4-B: adapter plates, max: 4 (UFE series)
splice trays, max: 4 (FST-24P or FST-36P)
UFD12-B: adapter plates, max: 12 (UFE series)
splice trays, max: 8 (FST-24P/FST-36P)

• DIMENSIONS & WEIGHT

Enclosure	RMS	Height	Width	Depth	Weight
UFD4-B	4	179 mm (7 in)	432 mm (17 in)	356 mm (14 in)	7.3 kg (16 lb)
UFD12-B	2	381 mm (15 in)	432 mm (17 in)	356 mm (14 in)	9.1 kg (20 lb)

• MOUNTING

19-in or 23-in CEA-310-E standard

• WARRANTY

5-year limited component warranty
10-year Signamax Link/Channel Warranty
15-year Signamax Extended Component Warranty
25-year Signamax Cabling System Warranty

RELATED PRODUCTS

Product/Product Group	Spec Sheet #
FC optical fiber adapter plates _____	PSS.UFE-FC (A-JAN-12)
LC optical fiber adapter plates _____	PSS.UFE-LC (A-JAN-12)
SC optical fiber adapter plates _____	PSS.UFE-SC (A-JAN-12)
ST optical fiber adapter plates _____	PSS.UFE-ST (A-JAN-12)
Optical fiber splice trays _____	PSS.OF-ST (A-APR-13)