Rack Mount Optical Fiber Enclosures

Optical fiber enclosures provide cross- and interconnections in information transport systems between optical fiber distribution cables, connecting hardware and active equipment, and for mechanical protection of such connections. Signamax rack mount optical fiber enclosures termination density ranges between 18- and 288-fiber connections depending on the enclosure size (1, 2, 3, or 4 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, SC, LC, and MT-RJ connector plates, which can be arranged in 3- to 12-adapter groups in any available connector combination. Adapter plates mount easily by means of plunger locks ("pushpins"). All enclosures feature front and rear access hinged panels and sliding-out support stages. The transparent plastic front panel enables visual inspection of the enclosure 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.

Steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections. Optional optical fiber splice trays/cassettes are available when passive uniform interconnection or transfer from buffered to jacketed fibers are required. Enclosures are supplied with a complete set of fastening elements and installation guidelines.

KEY FEATURES

- Termination density – 18 to 288 optical fibers
- Rack mount space – 1 to 4 RMS
- Modular design of adapter plates – flexible connection patterns
- Number of adapter plates per enclosure – 3 to 12
- Internal cable anchor points
- Rubber grommets on cable entry points
- Optional optical fiber splice trays/cassettes

- 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
- Steel case
- High-impact black epoxy-powder anticorrosive paint

SPECIFICATIONS

- **CONSTRUCTION**
  Die steel
  High-impact black epoxy-powder anticorrosive paint
  Clear plastic hinged front cover

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

- **DIMENSIONS**

Enclosure	RMS	Height	Width	Depth
UFE3-B	1	44.45 mm (1.75 in)	482.6 mm (19 in)	330.2 mm (13.0 in)
UFE4-B	2	88.9 mm (3.50 in)	482.6 mm (19 in)	355.6 mm (14.0 in)
UFE6-B	3	88.9 mm (5.25 in)	482.6 mm (19 in)	355.6 mm (14.0 in)
UFE12-B	4	88.9 mm (7.00 in)	482.6 mm (19 in)	355.6 mm (14.0 in)
SL2M-B	1	44.45 mm (1.75 in)	482.6 mm (19 in)	355.6 mm (14.0 in)
SL3M-B	1	44.45 mm (1.75 in)	482.6 mm (19 in)	355.6 mm (14.0 in)

RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Optical Fiber Adapter Plates	N/A
Optical Fiber Splice Trays	N/A
Plug-and-Play Pre-Terminated Fiber Cassettes	N/A
Optical Fiber Patch Cords	PSS.OFPC (A-NOV-07)
12-Fiber MTP Optical Fiber Assemblies	N/A
12-Fiber MTP Fan-out Assemblies	N/A

Rack Mount Optical Fiber Enclosures

ORDERING INFORMATION

18- to 72-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

Part Number	Description
UFE3-B	18- to 72-Fiber Rack Mount Optical Fiber Enclosure, Accepts 3 Adapter Plates Dimensions: 1.75"H x 19"W x 13"D

24- to 96-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

Part Number	Description
UFE4-B	24- to 96-Fiber Rack Mount Optical Fiber Enclosure, Accepts 4 Adapter Plates Dimensions: 3.50"H x 19"W x 14"D

36- to 144-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

Part Number	Description
UFE6-B	36- to 144-Fiber Rack Mount Optical Fiber Enclosure, Accepts 6 Adapter Plates Dimensions: 5.25"H x 19"W x 14"D

72- to 288-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

Part Number	Description
UFE12-B	72- to 288-Fiber Rack Mount Optical Fiber Enclosure, Accepts 12 Adapter Plates Dimensions: 7"H x 19"W x 14"D

12- to 48-Fiber Rack Mount Slide-Out Optical Fiber Enclosure

Part Number	Description
SL2M-B	12- to 48-Fiber Rack Mount Optical Fiber Enclosure, Accepts 2 Adapter Plates Dimensions: 1.75"H x 19"W x 14"D

18- to 72-Fiber Rack Mount Slide-Out Optical Fiber Enclosure

Part Number	Description
SL3M-B	18- to 72-Fiber Rack Mount Optical Fiber Enclosure, Accepts 3 Adapter Plates Dimensions: 1.75"H x 19"W x 14"D

* Product pictures show enclosures loaded with optical fiber adapter plates for illustration purposes only. Adapter plates should be ordered separately.

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