

FHD Slide Out Rack Mount Fiber Enclosure

Designed for the data center environment, serves as a protection function for fiber management.



Description

FHD Slide-out Fiber Rack Mount Enclosures are available in 1U, 2U and 4U sizes (FHD-1UFCE, FHD-2UFCE, FHD-4UFCE) and mount into 19" racks or cabinets. The enclosures provide a system for managing fiber terminations, connections, and patching in all types of applications.

Features

- Sliding Drawer for Full Front Access in All Installation Situations
- Compatible with All FHD® Cassettes, Panels, and Splice Trays
- Up to 144/288/432 Fibers (LC) or 1,152/2,304/3,456 Fibers (MTP®-24)
- Mount to Standard EIA 19" Rack Rails
- Transparent Hinged Doors Offer Easier Access and Visibility to Interior
- Integrated Cable Routing Designs Maintain Proper Bend Radius to Eliminate Cable Stress
- Multiple Points at the Rear and Side Allow for a Variety of Cable Entry Directions
- Made of Power-coated Black Steel Material with Excellent Crush and Abrasion Resistance

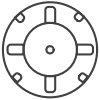
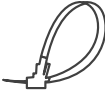
Standards Compliance & Regulations

- TIA/EIA-568-C.3
- RoHS Compliant
- ISO9001 Certificate

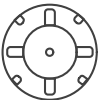
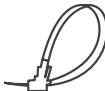
Product Specifications			
Part Number	FHD-1UFCE	FHD-2UFCE	FHD-4UFCE
No. of Rack Spaces	1U	2U	4U
Capacity	4 Ports	8 Ports	12 Ports
Fiber Count	Max. 144 Fibers (LC) Max. 1152 Fibers (MTP)	Max. 288 Fibers (LC) Max. 2034 Fibers (MTP)	Max. 432 Fibers (LC) Max. 3456 Fibers (MTP)
Dimensions (HxWxD)	1.73"x19.00"x17.04" (44x482.6x432.8mm)	3.46"x19.00"x17.00" (88.0x482.6x431.7mm)	6.81"x19.21"x16.09" (173.0x488.0x408.7mm)
Enclosure Type	Rack-mountable		
Material	SPCC (Black Coating)		
Installation	FHD Series FAPs and Cassettes		

Environmental Characteristics	
Operating Temperature	-25°C to 50°C
Storage Temperature	-40°C to 65 °C
Installation temperature	0°C to 50°C

Accessories List
I. FHD-1UFCE

	Door Latch x4		Bend Radius Bracket x2		Grommet x4
	Slack Spool x2		Loop Cable Tie Mount x2		Nylon Cable Tie x4
	Plastic Rivet x4		Adhesive Bevel Entry Clip x2		Strain Relief Bracket x2
	Screw Package x1		M4*8 Screw x4 and M4 Nut x8		M6*15 Screw x4 and M6 Nut x4
	Cable Tie x2		Screwdriver x1		Laser Warning Label x1
	Location Label x1				

II. FHD-2UFCE

	Door Latch x4		Bend Radius Bracket x4		Grommet x4
	Slack Spool x2		Loop Cable Tie Mount x2		Nylon Cable Tie x4
	Plastic Rivet x4		Adhesive Bevel Entry Clip x2		Strain Relief Bracket x2



Screw Package x1



M4*8 Screw x4 and M4 Nut x8



M6*15 Screw x4 and M6 Nut x4



Cable Tie x2



Screwdriver x1



Laser Warning Label x1

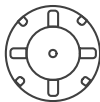
III. FHD-4UFCE



Door Latch x4



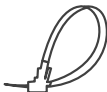
Grommet x4



Slack Spool x2



Loop Cable Tie Mount x2



Nylon Cable Tie x4



Plastic Rivet x4



Adhesive Bevel Entry Clip x2



Strain Relief Bracket x2



Screw Package x1



M4*8 Screw x4 and M4 Nut x8



M6*15 Screw x4 and M6 Nut x4



Cable Tie x2



Screwdriver x1

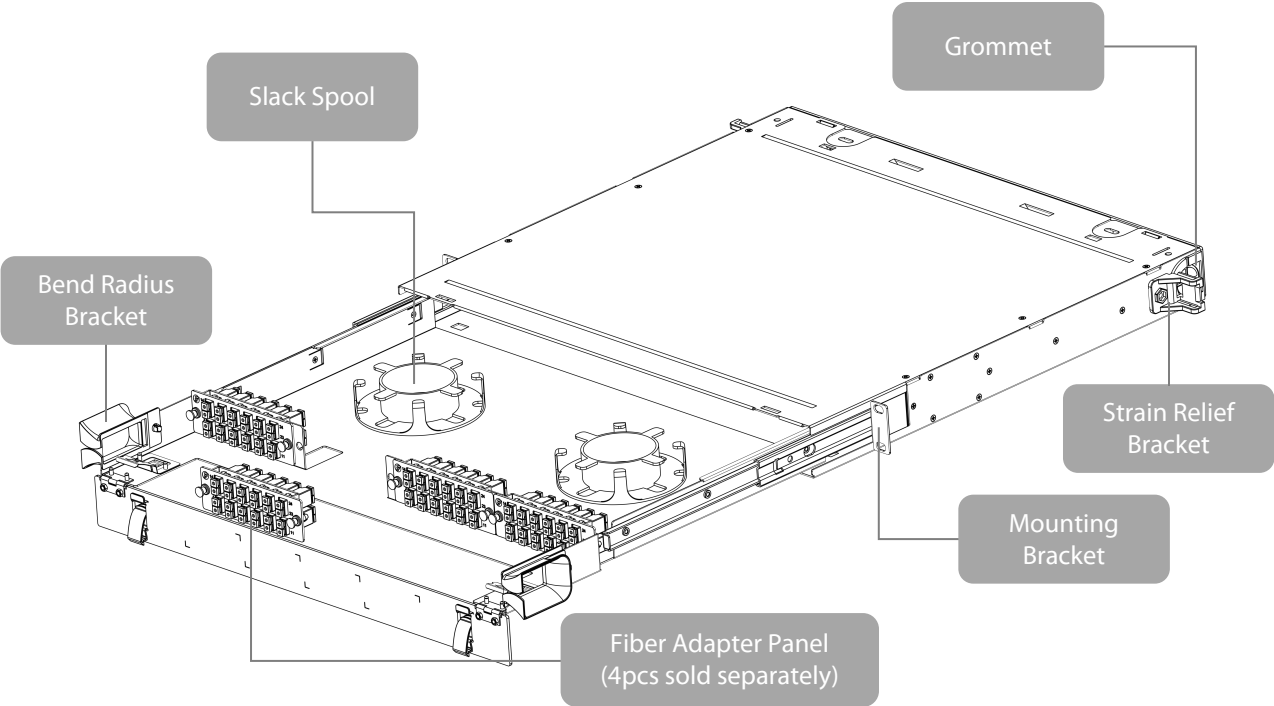


Laser Warning Label x1

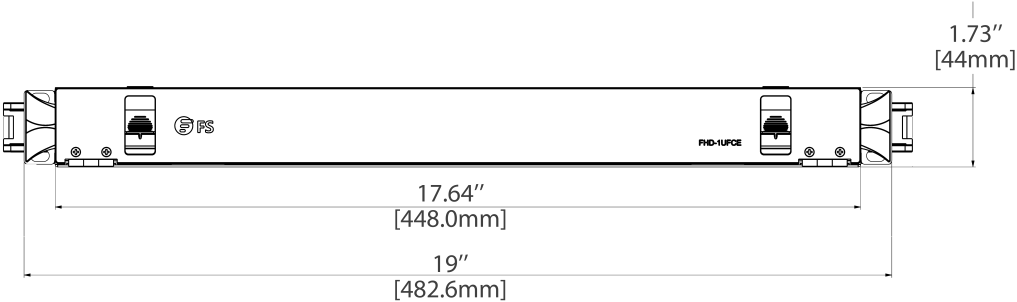
Layout and Dimensions

• FHD-1UFCE

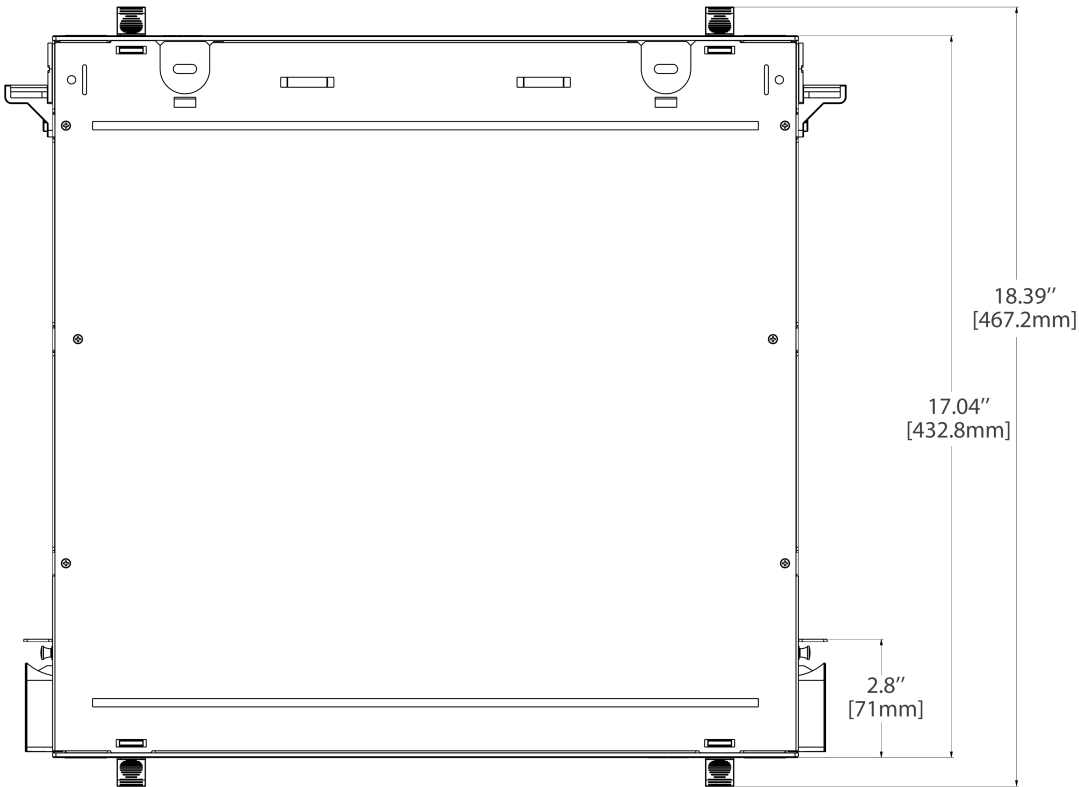
Assembly Structure Illustration



Front View



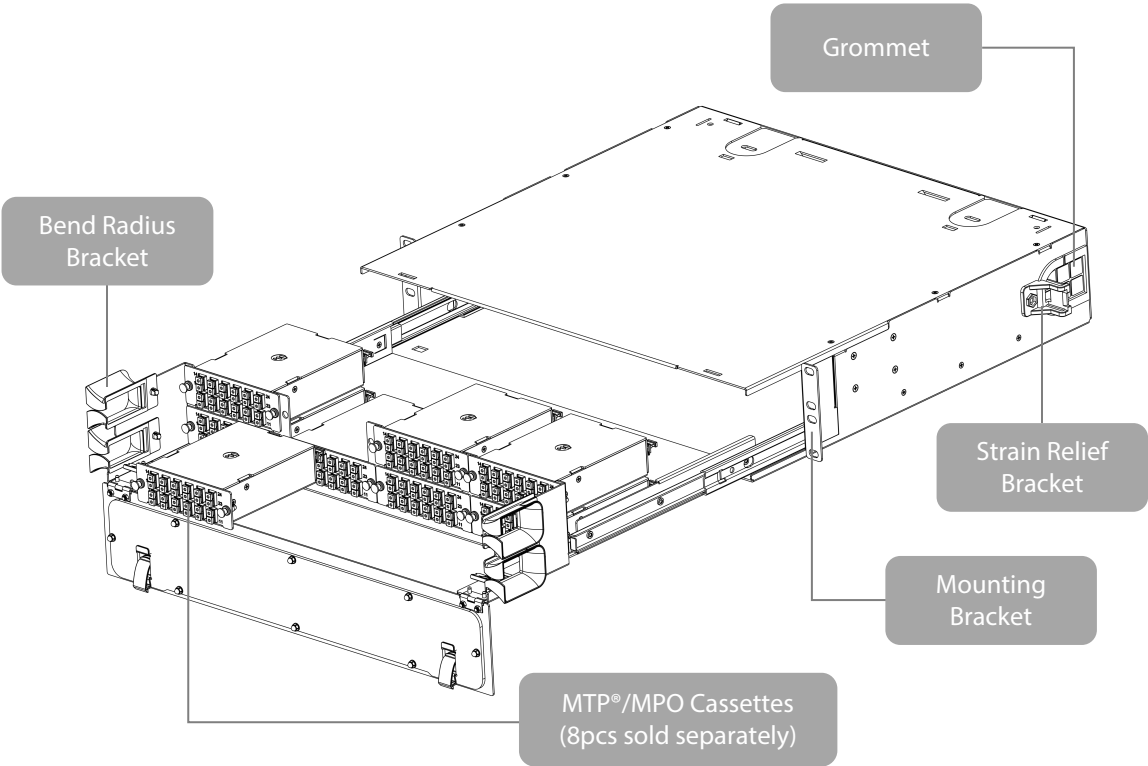
Top View



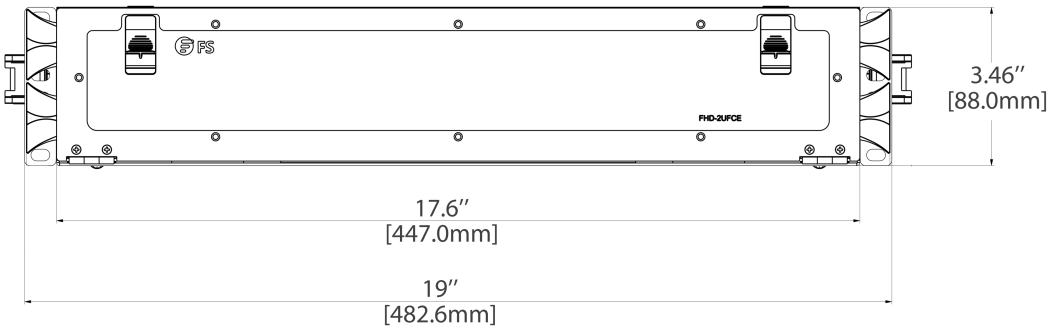
Dimensions are in inches. (Dimensions in parentheses are in millimeters).

• FHD-2UFCE

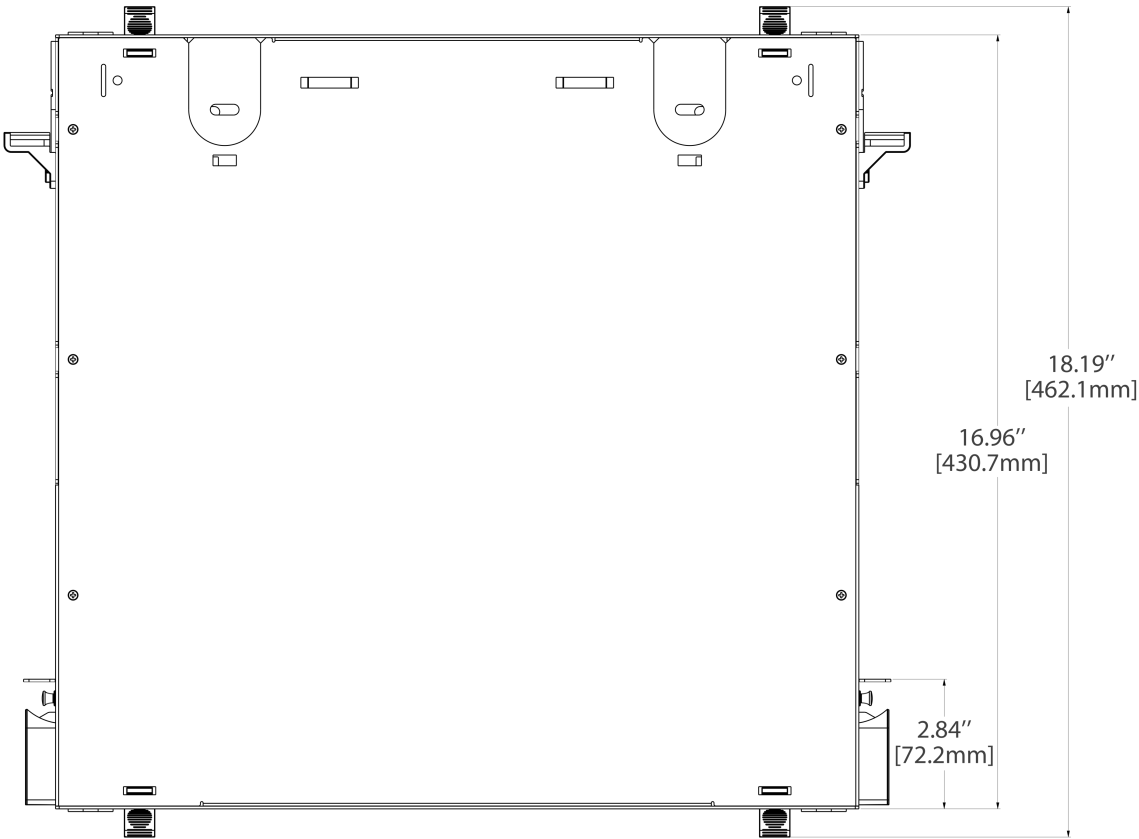
Assembly Structure Illustration



Front View



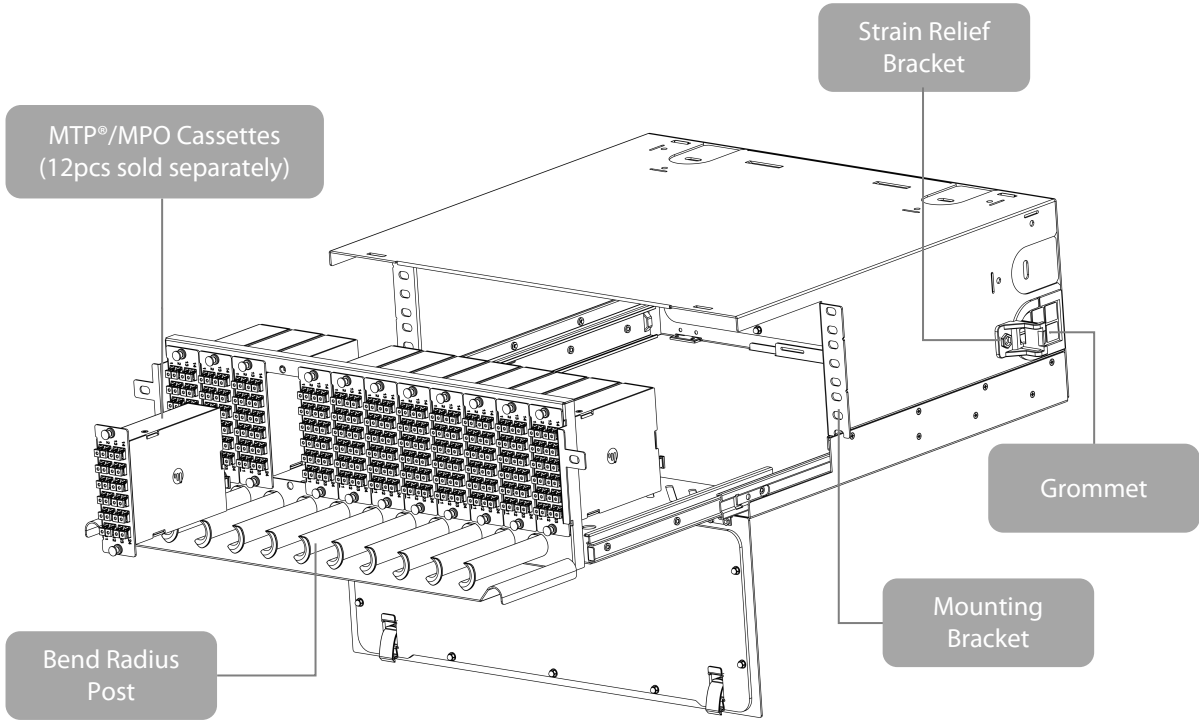
Top View



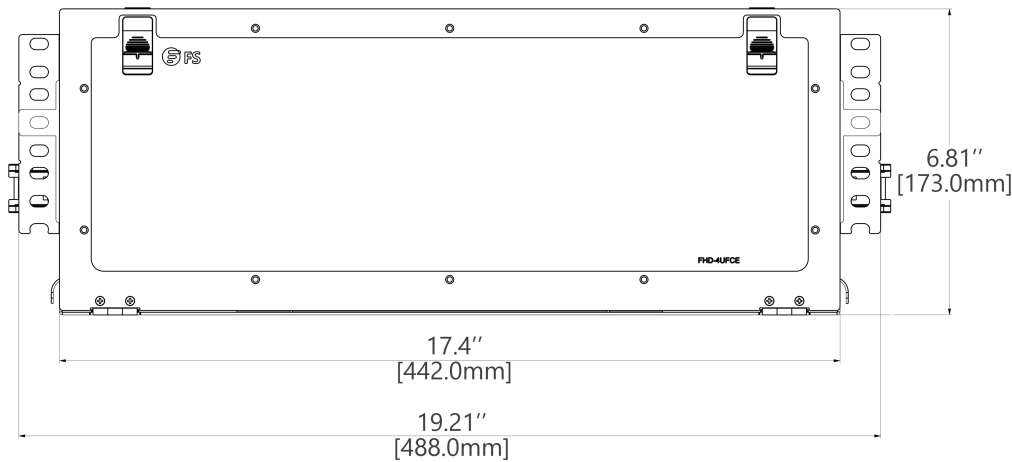
Dimensions are in inches. (Dimensions in parentheses are in millimeters).

• FHD-4UFCE

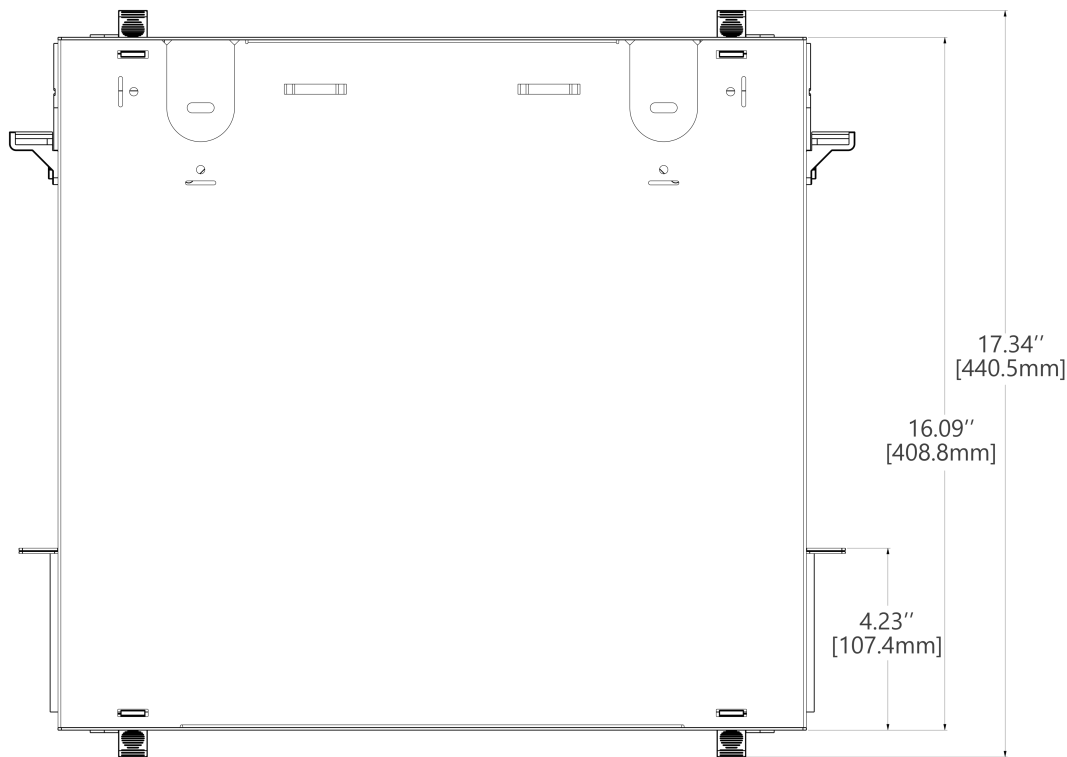
Assembly Structure Illustration



Front View



Top View



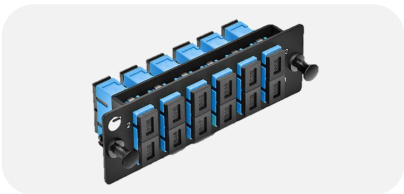
Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Product Application

I. Patch Cord Connections



①



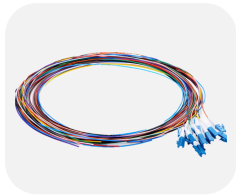
②



③

Item No.	#ID	Description
1	#40234	1m (3ft) SC UPC to SC UPC Duplex Single Mode Fiber Patch Cable
2	#35484	6x SC Duplex, 12 Fibers OS2 Single Mode FHD Fiber Adapter Panel
3	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure

II. Fiber Optic Splicing



①



②



③



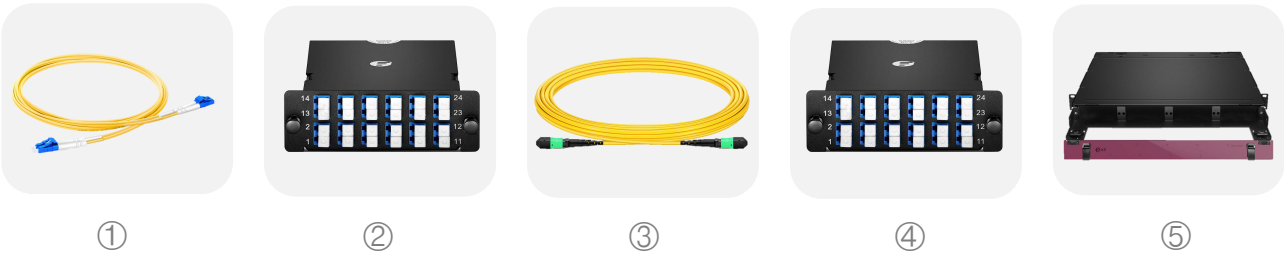
④



⑤

Item No.	#ID	Description
1	#42459	1m (3ft) 12 Fibers LC/UPC 9/125 Single Mode Color-Coded Fiber Optic Pigtail
2	#64246	24 Fibers Optical Splice Tray for FHD Fiber Enclosure
3	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure
4	#35488	12x LC Duplex, 24 Fibers OS2 Single Mode FHD Fiber Adapter Panel
5	#68294	1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable

III. MTP® Cabling Management



Item No.	#ID	Description
1	#68294	1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable
2	#57341	2x MTP®-12 to 12x LC Duplex, Type A, 24 Fibers OS2 FHD MTP®/MPO Cassette
3	#68102	5m (16ft) MTP® Female 12 Fibers OS2 9/125 Single Mode Trunk Cable, Type A
4	#68540	2x MTP®-12 to 12x LC Duplex, Type AF, 24 Fibers OS2 FHD MTP®/MPO Cassette
5	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure

NOTE: The basic application and matching products for the three enclosures are shown for reference.

Fiber Enclosure Loading

I. Fiber Adapter Panel

Description	#ID (OS2)	#ID (OM4)
24F, 12x LC Duplex Fiber Adapter Panel	#35488	#51284
12F, 16x SC Duplex Fiber Adapter Panel	#35484	#41998
12x MTP® Key Up to Key Down Fiber Adapter Panel	#35510	#35510
8x MTP® Key Up to Key Up Fiber Adapter Panel	/	#52022
6F, 6x ST Simplex Fiber Adapter Panel	#183380	#183382
8F, 8x ST Simplex Fiber Adapter Panel	#183381	#183383
12F, 12x LSH Simplex Fiber Adapter Panel	#336339	/
48F, 12x MDC 2-Port Duplex Fiber Adapter Panel	#147015	/
6-Port Multimedia Modular Panel with 6 Plastic Clips	#143239	#143239

II. MTP®/MPO Cassette

Description	#ID (OS2)	#ID (OM4)	#ID (OM5)
8F, MTP®-8 to 4x LC Duplex Cassette, Universal	#68401	#68402	/
16F, 2x MTP®-8 to 8x LC Duplex Cassette, Universal	/	#230555	/
24F, 3x MTP®-8 to 12x LC Duplex Cassette, Universal	#143164	#68399	/
24F, 3x MTP®-8 to 2x LC Shuttered Duplex Cassette, Universal	#181822	#181823	/
12F, MTP®-12 to 6x LC Duplex Cassette, Type A	#57016	#57017	#174246
12F, MTP®-12 to 6x LC Duplex Cassette, Type AF	#57037	#57038	#174247
12F, MTP®-12 to 6x LC Duplex Cassette, Universal	#182641	#182642	/
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Type A	#57341	#57342	#174248
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Type AF	#68540	#68541	#174249
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Universal	#182643	#182644	/
36F, 3x MTP®-12 to 12x LC Duplex Cassette, Type A	#105333	#105335	/
36F, 3x MTP®-12 to 12x LC Duplex Cassette, Type AF	#105334	#105336	/
24F, MTP®-24 to 12x LC Duplex Cassette, Type A	#57023	#57024	/
24F, MTP®-24 to 12x LC Duplex Cassette, Type AF	#68549	#68550	/

*MTP® is a registered trademark of US Conec Ltd.
*The US Conec MTP® connectors are fully compliant with the MPO standards.

Warranty Information

For FS product warranties, visit <https://www.fs.com/policies/warranty.html>