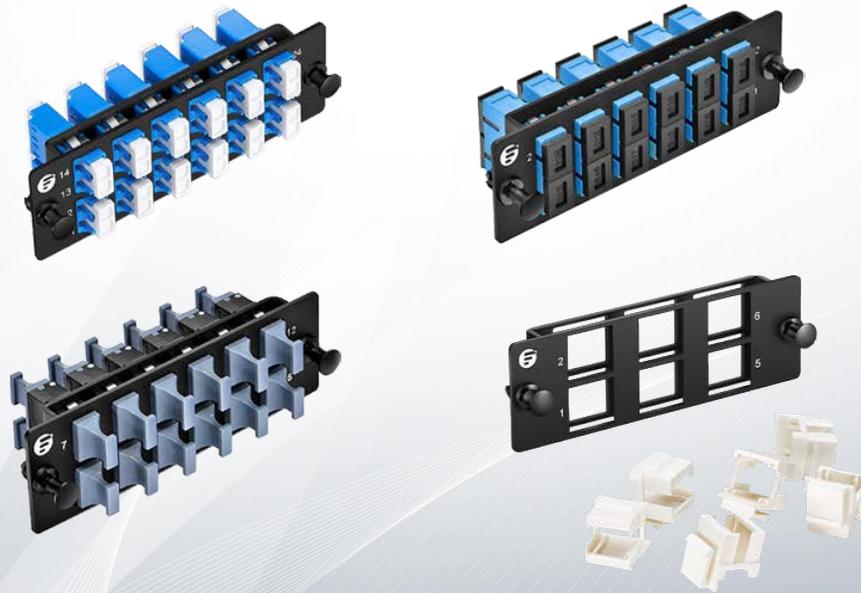# FHD Fiber Adapter Panels Datasheet

Description

FHD series adapter panels are available with LC, SC, ST, LSH, MTP®, MDC, multimedia panels and blank panels. LC, SC, LSH and MDC adapter housing colors make it easy to identify fibers and connectors. MTP® adapters are compatible with all US Conec MTP® brand connectors for coupling and debris protection. Two-port MDC adapters fit directly into standard panel openings for duplex LC adapters, increasing fiber density by a factor of two. Multimedia modular panels can be used with different adapters according to your needs. Blank panels reserve space for future expansion by covering unused space and visible cables. These panels provide interconnect or cross-connect capability in a housing at main cross-connects, intermediate cross-connects, telecommunication rooms or work areas.

Application

FHD series fiber optic adapter panels (FAPs) are used with FHD Rack mount or Wall Mount Enclosures. Deploy medium to high-density fiber optic network applications as specified in the data center cabling standard for cross connects in main distribution, horizontal distribution, and equipment distribution areas.

Features

- Provide a variety of product types, including LC, SC, ST, LSH, MTP®, MDC, multimedia panels and blank panels.
- Fully compatible with all FHD enclosures.
- 4 adapter panels fit into 1U, up to 144F (LC) & 192F (MDC) & 1152F (MTP®-8/12/24).
- Tool-less snap installation for easier moves, adds, and changes.
- The clear numbering on the front for quick fiber identification.
- Zirconia ceramic sleeves to ensure high precision and low loss of fiber connections.

Standards Compliance & Regulations

- ISO9001 Certificate
- RoHS Compliant
- WEEE Compliant
- TIA/EIA-568.3-C Optical Fiber Cabling and Components
- TIA/EIA-604 FOCIS for Connector Intermateability
- IEC 60529 IP5x dust protection (LC)

Product Specifications

I. Product Constructions

Adapter Type	LC/SC/ST/LSH/MTP®/MDC/Multimedia/Blank
Polish Type	SMF: UPC-UPC; APC-APC MMF: UPC-UPC
Material of Plate	Steel, Powder-coated Black
Dimensions (HxW)	1.38"x4.29" (35x109mm)
Insertion Loss	Supports the performance of connectors/patch cords
Return Loss	Supports single mode (UPC and APC) and multimode (UPC) connector polish performance

II. LC FAPs Information

Adapter Type	LC Duplex
Number of Adapters	12/18
Fiber Count	24 Fibers/36 Fibers
Fiber Mode	Multimode: OM4/OM3 50/125µm Single Mode: OS2 9/125µm
Adapter Color	Blue (OS2 UPC), Green (OS2 APC), Aqua (OM3/OM4)
Split Sleeve	Zirconia Ceramic

III. SC FAPs Information

Adapter Type	SC Duplex
Number of Adapters	6
Fiber Count	12 Fibers
Fiber Mode	Multimode: OM4/OM3 50/125μm Single Mode: OS2 9/125μm
Adapter Color	Blue (OS2 UPC), Green (OS2 APC), Aqua (OM3/OM4)
Split Sleeve	Zirconia Ceramic

IV. ST FAPs Information

Adapter Type	ST Simplex
Number of Adapters	6/8
Fiber Count	6 Fibers/8 Fibers
Fiber Mode	Multimode: OM4/OM3 50/125μm Single Mode: OS2 9/125μm
Adapter Color	Plated
Split Sleeve	Zirconia Ceramic

V. LSH FAPs Information

Adapter Type	LSH Simplex
Number of Adapters	12
Fiber Count	12 Fibers
Fiber Mode	Single Mode: OS2 9/125μm
Adapter Color	Green (OS2 APC)
Split Sleeve	Zirconia Ceramic

VI. MTP® FAPs Information

Adapter Type	MTP®
Number of Adapters	8/12
Fiber Mode	Multimode: OM4/OM3 50/125µm Single Mode: OS2 9/125µm
Polarity	Type A (Key Up-Key Down) Type B (Key Up-Key Up)
Adapter Color	Black (Key Up-Key Down) Charcoal Gray (Key Up-Key Up)

Note:

The Type B (key up to key up) method does not support Single Mode with standards compliant connector endfaces.
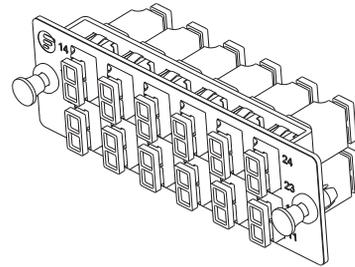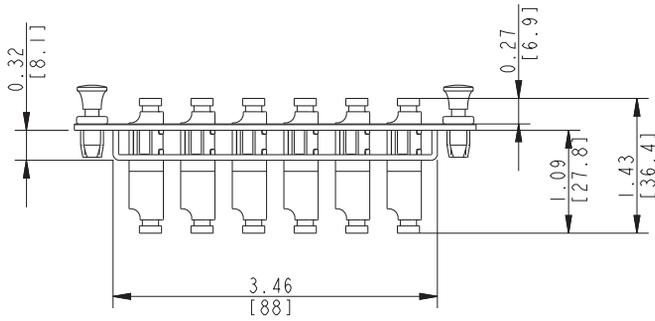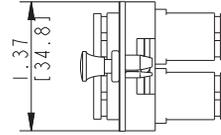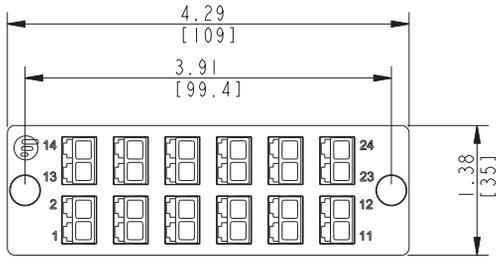
VII. MDC FAPs Information

Adapter Type	MDC Duplex
Number of Adapters	12x MDC-2
Fiber Count	48 Fibers
Fiber Mode	Single Mode: OS2 9/125µm
Adapter Color	Blue (OS2 UPC)
Split Sleeve	Zirconia Ceramic

VIII. Environmental Characteristics

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

Layout and Dimensions
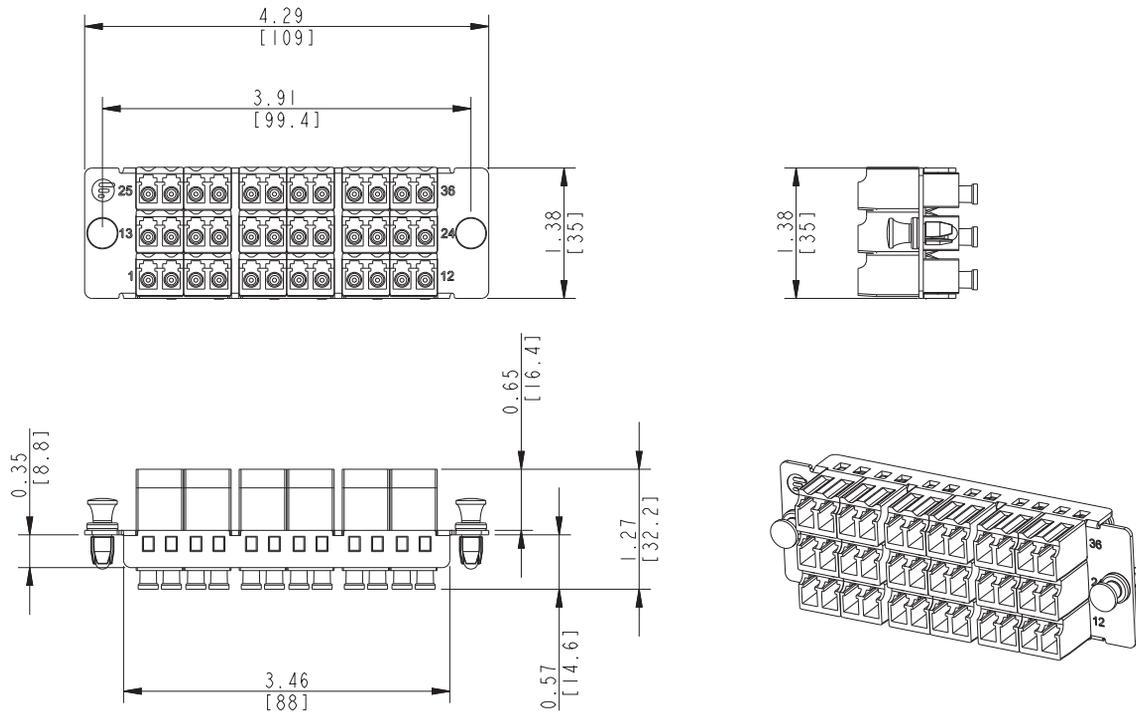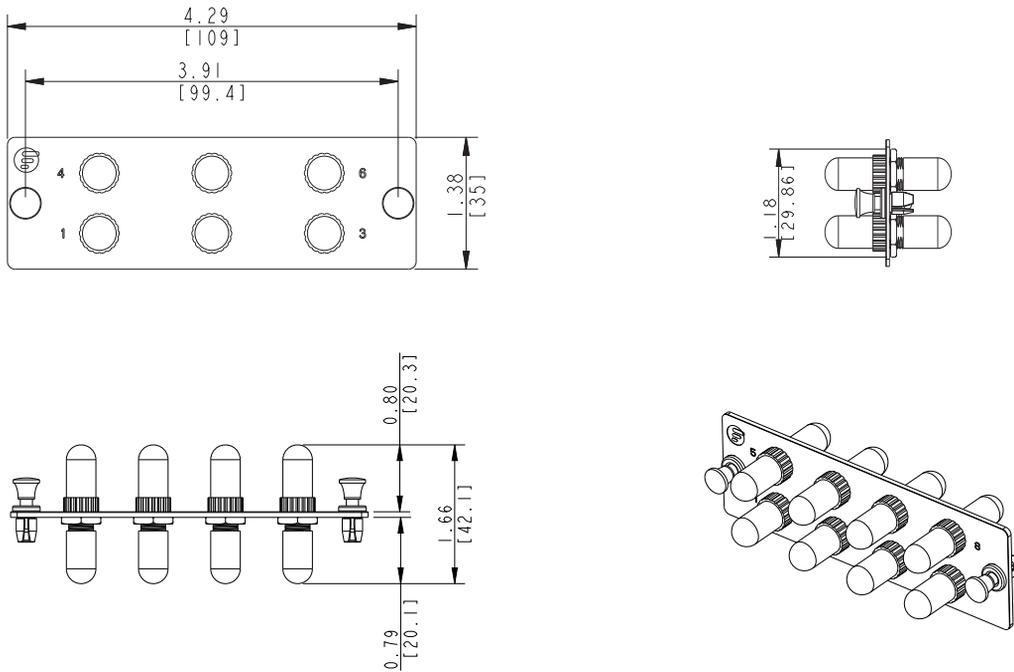
• **24F LC/12F SC Adapter Panel**

Note:

24F LC and 12F SC adapter panels are of the same dimensions.

Dimensions are in inches. (Dimensions in parentheses are in millimeters).
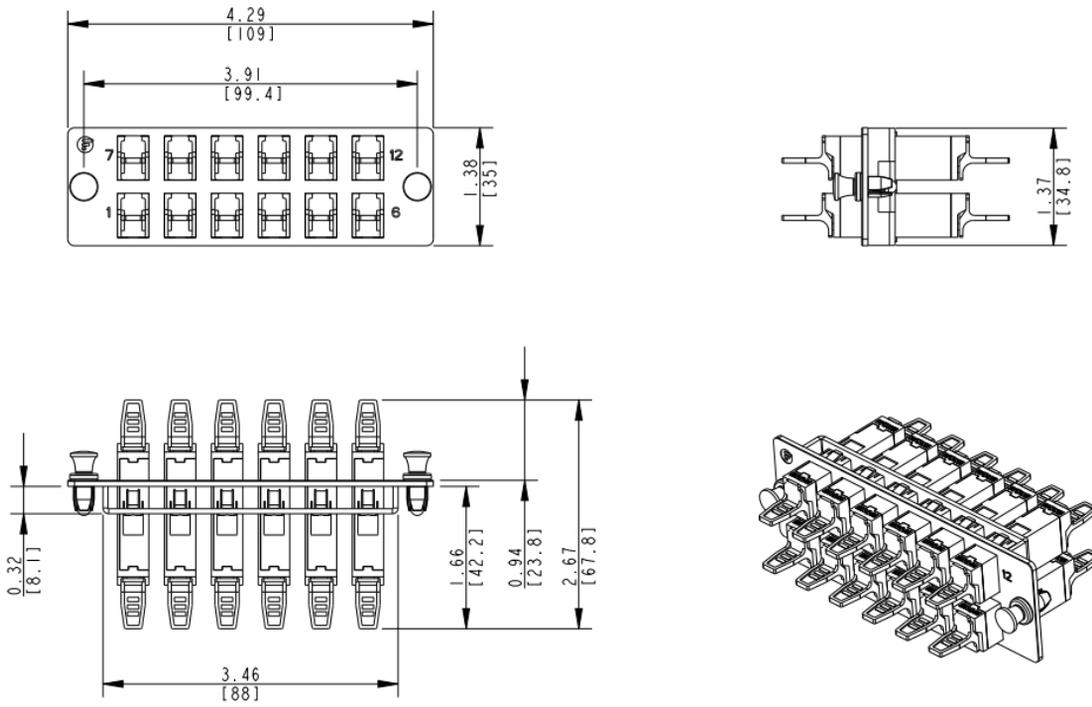
• 36F LC Adapter Panel
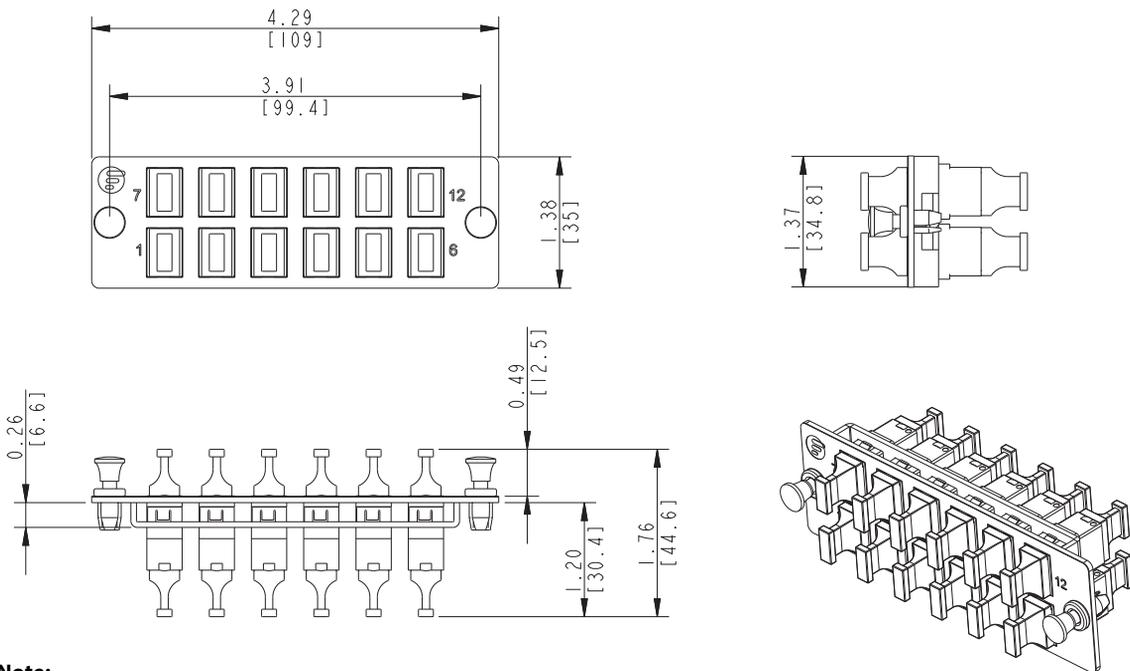

• ST Fiber Adapter Panel

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

• 12F LSH Fiber Adapter Panel
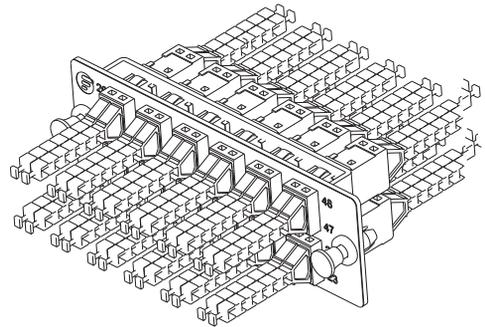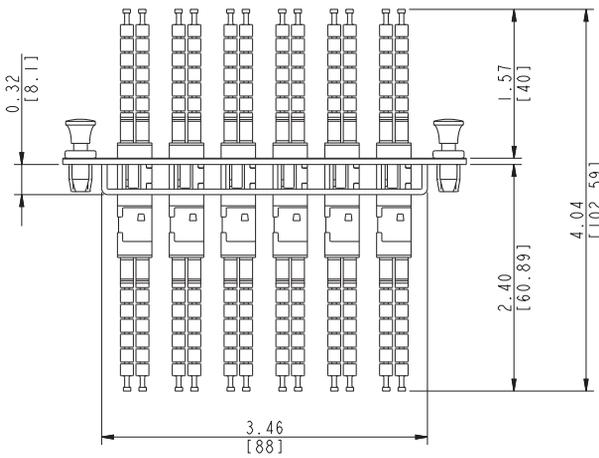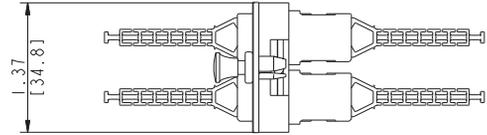

• MTP® Fiber Adapter Panel

Note:
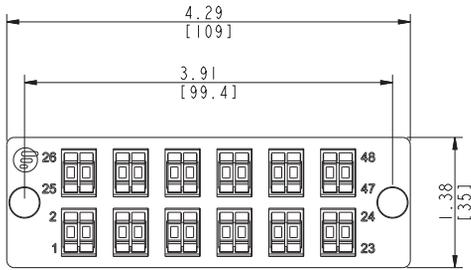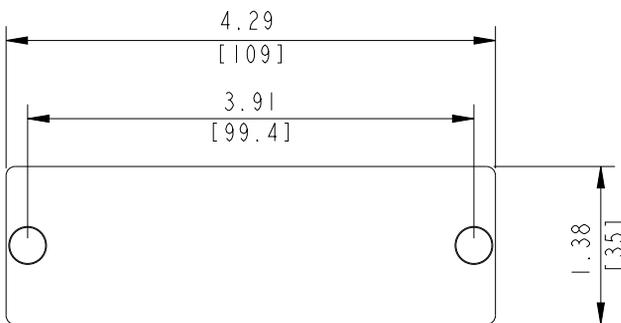
Type A and Type B MTP® adapter panels are of the same dimensions.

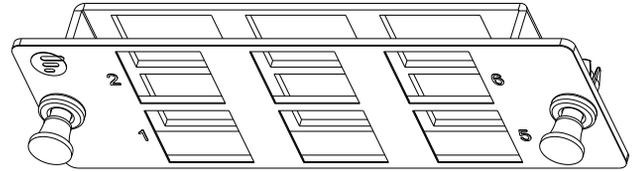Dimensions are in inches. (Dimensions in parentheses are in millimeters).

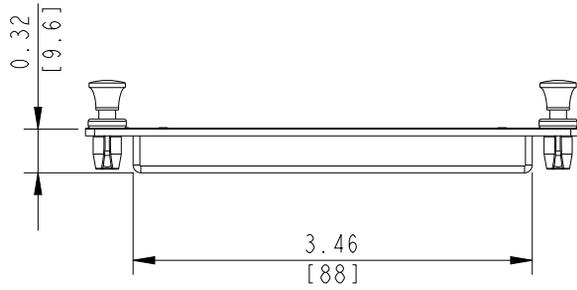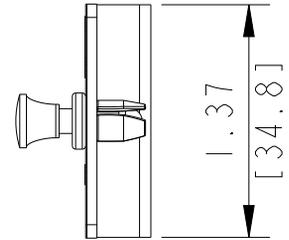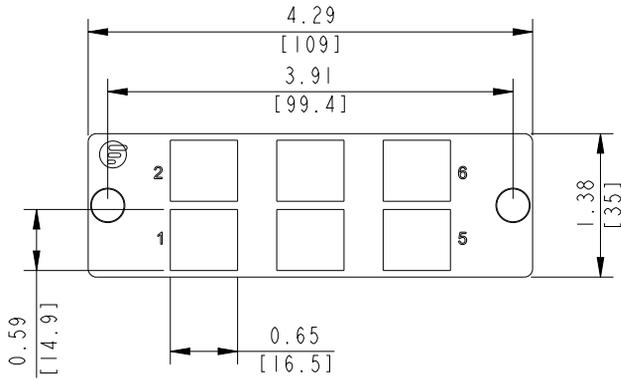• **48F MDC Fiber Adapter Panel**

• **Blank Fiber Adapter Panel**

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

- **MultimediaModular Panel**

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

Ordering Information

• LC Adapter Panels

Part Number	ID Number	Fiber Count	Fiber Mode	Polish Type	Adapter Color
FHD-FAP12LCDXSMF	#35488	24F	OS2	UPC	Blue
FHD-FAP12LCADZSMF	#25514	24F	OS2	APC	Green
FHD-FAP12LCDX10GMM	#41998	24F	OM3/OM4	UPC	Aqua
FHD-FAP18LCDXSMF	#133613	36F	OS2	UPC	Blue
FHD-FAP18LCDXMMF	#133614	36F	OM3/OM4	UPC	Aqua

• SC Adapter Panels

Part Number	ID Number	Fiber Count	Fiber Mode	Polish Type	Adapter Color
FHD-FAP6SCDXSMF	#35484	12F	OS2	UPC	Blue
FHD-FAP6SCDZ10GMM	#51284	12F	OM3/OM4	UPC	Aqua
FHD-FAP6SCADXSMF	#41986	12F	OS2	APC	Green

• ST Adapter Panels

Part Number	ID Number	Fiber Count	Fiber Mode	Polish Type	Adapter Color
FHD-FAP6STSXSMF	#183380	6F	OS2	APC/UPC	Plated
FHD-FAP8STSXSMF	#183381	8F	OS2	APC/UPC	Plated
FHD-FAP6STSXMMF	#183382	6F	OM3/OM4	UPC	Plated
FHD-FAP8STSXMMF	#183383	8F	OM3/OM4	UPC	Plated

• LSH Adapter Panels

Part Number	ID Number	Fiber Count	Fiber Mode	Polish Type	Adapter Color
FHD-FAP12LSHASXSMF	#336339	12F	OS2	APC	Green

• MTP® Adapter Panels

Part Number	ID Number	Fiber Mode	Polarity	Key Orientation	Adapter Color
FHD-FAP12MTPHA	#35510	OS2/OM3/OM4	Type A	Key Up-Key Down	Black
FHD-FAP8MTPHB	#52022	OM3/OM4	Type B	Key Up-Key Up	Charcoal Gray

• MDC Adapter Panels

Part Number	ID Number	Fiber Count	Fiber Mode	Polish Type	Adapter Color
FHD-FAP12MDC2PDSMF	#147015	48F	OS2	UPC	Blue

• Blanking Adapter Panels

Part Number	ID Number	Description
FHD-FAPM6	#143239	6-Port Blank Multimedia Modular Panel
FHD-FAPB	#35526	FHD Blanking Fiber Adapter Panel
FHD-FAPB	#193007	FHD Blanking Fiber Adapter Panel (5pcs/Pack)

* More products information please click >

Matching Products

ID Number	Description
#96427	FHD 1U High Density Fiber Enclosure Unloaded
#70361	FHD 1U High Density Sliding Fiber Enclosure Unloaded
#73205	FHD 2U High Density Sliding Fiber Enclosure Unloaded
#73206	FHD 4U High Density Sliding Fiber Enclosure Unloaded
#70419	FHD 1U High Density Rack Mount Modular Enclosure Unloaded
#72910	FHD 1U Rack Mount Blank Enclosure with Detachable Cable Lacer Panel and Bar
#40191	1m (3ft) LC UPC to LC UPC Duplex OS2 Single Mode Fiber Patch Cable 2.0mm
#40904	1m (3ft) LC APC to LC APC Duplex OS2 Single Mode Fiber Patch Cable 2.0mm
#40180	1m (3ft) LC UPC to LC UPC Duplex OM4 Multimode Fiber Patch Cable 2.0mm
#40234	1m (3ft) SC UPC to SC UPC Duplex OS2 Single Mode Fiber Patch Cable 2.0mm
#41233	1m (3ft) SC APC to SC APC Duplex OS2 Single Mode Fiber Patch Cable 2.0mm
#40423	1m (3ft) ST UPC to ST UPC Duplex OS2 Single Mode Fiber Patch Cable 2.0mm
#173585	1m (3ft) LSH APC to LSH APC Simplex OS2 Single Mode Fiber Patch Cable 2.0mm
#68108	1m (3ft) MTP® Female to Female 12 Fibers OS2 Single Mode Jumper, Type B
#68107	1m (3ft) MTP® Female to Female 12 Fibers OM4 Multimode Jumper, Type B
#68106	5m (16ft) MTP® Female to Female 12 Fibers OM4 Multimode Jumper, Type A

Matching Products

ID Number	Description
#68102	5m (16ft) MTP® Female to Female 12 Fibers OS2 Single Mode Jumper, Type A
#130963	1m (3ft) MDC UPC to MDC UPC Uniboot Duplex OS2 Single Mode Fiber Patch Cable 2.0mm

Warranty Information

For FS product warranties, visit fs.com/policies/warranty.html