Modular Cabling System Guide

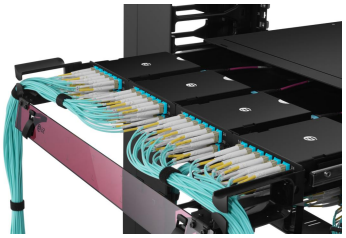
FS various cabling solution system meets the need to optimize existing data center space, enabling organizations to meet business demands for higher data rates while minimizing the costs of space and equipment.

From the high density FHD series and the ultra high density FHZ series to the FHU fast deployment series, you can maximize your network manageability and performance.

1

FHD Series

Pg. 03



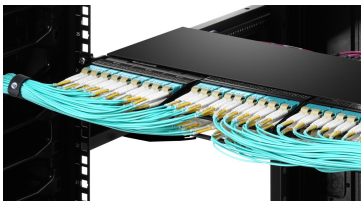
FHD High Density Series

- Max. 144 Fibers in 1 Rack Unit
- Versatile solution in multiple sizes (1U/2U/4U) and styles for building backbones, data centers and enterprise applications.

2

FHZ Series

Pg. 09



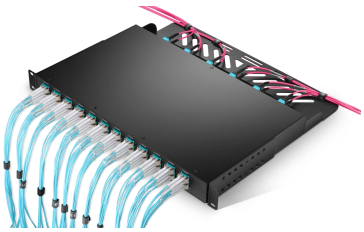
FHZ Ultra High Density Series

- Max. 216 Fibers in 1 Rack Unit
- Enables to provide the scalability to increase density as business demands evolve.

3

FHU Series

Pg. 10



FHU Standard Density Series

- Max. 96 Fibers in 1 Rack Unit
- Designed to connect where fast deployment and simple maintenance are critical.

1. FHD High Density Series

The FHD series is a flexible solution designed for easy installation and maintenance. A range of enclosures house FHD series adapter panels, MTP® cassettes, and cable assemblies to offer flexible connection and storage options to meet any project need. Versatile fiber optic patching solutions in multiple sizes and styles for TRs, MDU/residential building backbones and small data centers.

1.1 FHD Series Fiber Optic Enclosures

FHD series provides a wide variety of fiber enclosures for all project needs, including 1U, 2U and 4U rack mount and wall mount enclosures. Enclosures feature best-in-class cable management, bend radius control, slack management, and patch field access.

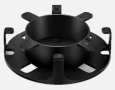
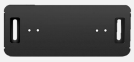
Rack Mount

Image	Description	Capacity	Max. Fiber Count (LC)	ID Number	Part Number
	1U 19″ Fixed Enclosure	4	144F	#96427	FHD-1UFMT-N
	1U 19″ Sliding & Tilt-down Enclosure	4	144F	#145167	FHD-1UFMT-S
	1U 19″ Modular Enclosure	4	144F	#70419	FHD-1U-CMP400
	1U 19″ Blank Enclosure	4	144F	#72910	FHD-FPP5DRL
	1U 19″ Sliding Enclosure	4	144F	#70361	FHD-1UFCE
	2U 19″ Sliding Enclosure	8	288F	#73205	FHD-2UFCE
	4U 19″ Sliding Enclosure	12	432F	#73206	FHD-4UFCE

Wall Mount

Image	Description	Capacity	Max. Fiber Count (LC)	ID Number	Part Number
	Wall Mount Enclosure	2	48	#50550	FHD-FWME2

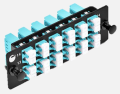
Enclosure Accessories

Image	Description	Matching Enclosure	ID Number	Part Number
	Blanking Adapter Panel	Rack Mount and Wall Mount	#35526	FHD-FAPB
	Fiber Slack Spool	Rack Mount and Wall Mount	#70752	FHD-FMS
	24F Optical Splice Tray	Rack Mount	#64246	FHD-FOSMF-24F
	Splice Tray Holder	Wall Mount	#73717	FHD-FWME-STH

1.2 FHD Series Fiber Adapter Panels

FHD series fiber optic adapter panels (FAPs) are used with FHD series 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.

LC Adapter

Image	Fiber Count	Fiber Mode	Polish Type	ID Number	Part Number
	24F	OS2 SMF	UPC	#35488	FHD-FAP12LCDXSMF
	24F	OM4 MMF	UPC	#41998	FHD-FAP12LCDX10GMM
	24F	OS2 SMF	APC	#25514	FHD-FAP12LCADZSMF
	36F	OS2 SMF	UPC	#133613	FHD-FAP18LCDXSMF
	36F	OM4 MMF	UPC	#133614	FHD-FAP18LCDXMMF

SC Adapter

Image	Fiber Count	Fiber Mode	Polish Type	ID Number	Part Number
	12F	OS2 SMF	UPC	#35484	FHD-FAP6SCDXSMF
	12F	OM4 MMF	UPC	#51284	FHD-FAP6SCDZ10GMM
	12F	OS2 SMF	APC	#41986	FHD-FAP6SCADXSMF

MTP® Adapter

Image	Fiber Mode	Key Orientation	ID Number	Part Number
	OS2/OM3/OM4	Up-Down	#35510	FHD-FAP12MTPHA
	OM3/OM4	Up-Up	#52022	FHD-FAP8MTPHB

ST Adapter

Image	Fiber Count	Fiber Mode	Polish Type	ID Number	Part Number
	6F	OS2 SMF	APC/UPC	#151610	FHD-FAP6STSXSMF
	8F	OS2 SMF	APC/UPC	#151611	FHD-FAP8STSXSMF
	6F	OM3/OM4	UPC	#151612	FHD-FAP6STSXMMF
	8F	OM3/OM4	UPC	#151613	FHD-FAP8STSXMMF

MDC Adapter

Image	Fiber Count	Fiber Mode	Polish Type	ID Number	Part Number
	48F	OS2 SMF	UPC	#147015	FHD-FAP12MDC2PDSMF

Multimedia Adapter Panel

Image	Description	ID Number	Part Number
	6-Port Blank Multimedia Modular Panel	#66602	FHD-FMP6

1.3 FHD Series Fiber Optic Cassettes

FHD series MTP®/MPO cassettes are for quick and easy deployment in high density applications and provide efficient utilization of rack space and design flexibility. The cassettes interconnect with high density fiber cable assemblies for quick connection of remote or data center applications.

MTP®-8

Image	Fiber Count	Fiber Mode	ID Number	Part Number
	8F	OS2 SMF	#68401	FHD-1MTP4LCDSMF
	8F	OM4 MMF	#68402	FHD-1MTP4LCDOM4
	24F	OM4 MMF	#68399	FHD-3MTP6LCQOM4
	24F	OS2 SMF	#143164	FHD-3MTP6LCQOS2

MTP®-12

Image	Fiber Count	Fiber Mode	Polarity	ID Number	Part Number
	12F	OS2 SMF	Type A	#57016	FHD-1MTP6LCDSMFA
	12F	OS2 SMF	Type AF	#57037	FHD-1MTP6LCDSMFAF
	12F	OM4 MMF	Type A	#57017	FHD-1MTP6LCDOM4A
	12F	OM4 MMF	Type AF	#57038	FHD-1MTP6LCDOM4AF
	24F	OS2 SMF	Type A	#57341	FHD-2MTP12LCDSMFA
	24F	OS2 SMF	Type AF	#68540	FHD-2MTP12LCDSMFAF
	24F	OM4 MMF	Type A	#57342	FHD-2MTP12LCDOM4A
	24F	OM4 MMF	Type AF	#68541	FHD-2MTP12LCDOM4AF
	48F	OS2 SMF	Type A	#147014	FHD-4MTP8MDC3PDSMFA

	36F	OS2 SMF	Type A	#105333	FHD-3MTP18LCDSMFA
	36F	OS2 SMF	Type AF	#105334	FHD-3MTP18LCDSMFAF
	36F	OM4 MMF	Type A	#105335	FHD-3MTP18LCDOM4A
	36F	OM4 MMF	Type AF	#105336	FHD-3MTP18LCDOM4AF
	12F	OS2 SMF	Type A	#57058	FHD-1MTP6SCDSMFA

MTP®-24

Image	Fiber Count	Fiber Mode	Polarity	ID Number	Part Number
	24F	OS2 SMF	Type A	#57023	FHD-1MTP12LCDSMFA
	24F	OS2 SMF	Type AF	#68549	FHD-1MTP12LCDSMFAF
	24F	OM4 MMF	Type A	#57024	FHD-1MTP12LCDOM4A
	24F	OM4 MMF	Type AF	#68550	FHD-1MTP12LCDOM4AF

Note:

The US Conec MTP® connectors are fully compliant with the MPO standards, achieving higher performance levels when compared to generic MPO connectors.

1.4 FHD Series TAP Cassettes

FHD series TAP cassettes are designed for use to effectively monitor network traffic whilst optimizing performance, are tools that provide users with an understanding of network flow patterns by splitting traffic for monitoring and security without interrupting network traffic.

LC to LC

Image	Fiber Count	Fiber Mode	Split Ratio (Live/Tap)	ID Number	Part Number
	24F	OS2 SMF	50/50	#68769	FHD-12LCDSMF55
	24F	OM4 MMF	50/50	#68747	FHD-12LCDOM455
	24F	OS2 SMF	70/30	#68758	FHD-12LCDSMF73

LC to LC, BIDI

Image	Fiber Count	Fiber Mode	Split Ratio (Live/Tap)	ID Number	Part Number
	24F	OM4 MMF	50/50	#68753	FHD-12LCDBDOM455

MTP® to LC

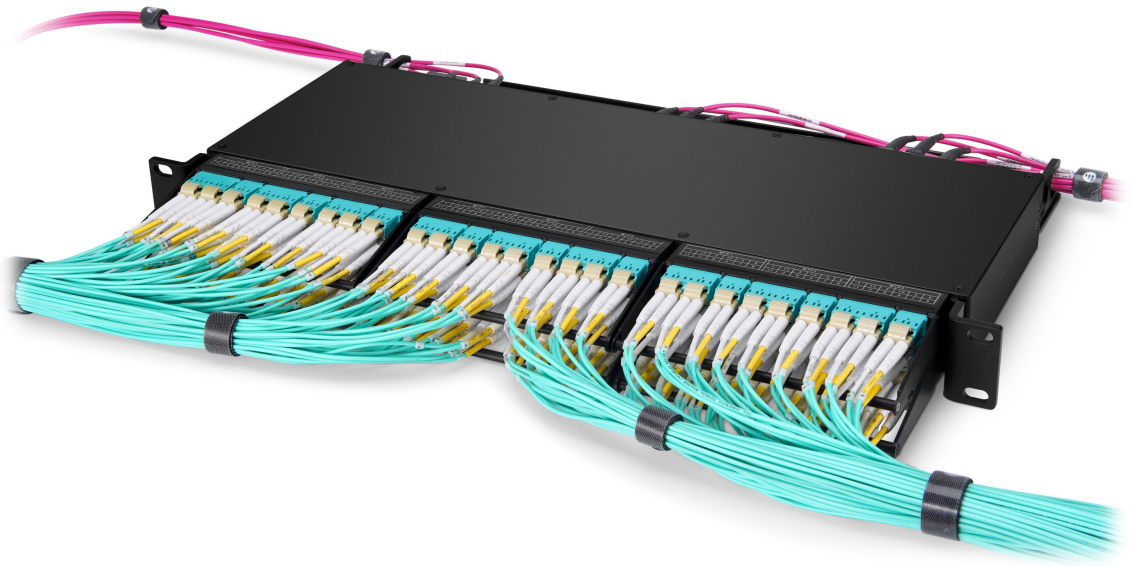
Image	Fiber Count	Fiber Mode	Split Ratio (Live/Tap)	ID Number	Part Number
	24F	OS2 SMF	70/30	#68779	FHD-12LCD4MTPSMF73

MTP® to MTP®

Image	Fiber Count	Fiber Mode	Split Ratio (Live/Tap)	ID Number	Part Number
	24F	OM4 MMF	50/50	#63014	FHD-4MTPOM455

2. FHZ Ultra High Density Series

FHZ premium ultra high density series feature perfect combination of superior performance, premium ultra high density and unmatched accessibility, could provide up to 216 LC fibers in 1U space.



2.1 FHZ Series Fiber Optic Enclosures

Image	Description	Capacity	Fiber Count	ID Number	Part Number
	1U 19″ Fiber Enclosure	6	216F	#74183	FHZ-1UFSP

2.2. FHZ Series Fiber Optic Cassettes

Image	Fiber Count	Fiber Mode	ID Number	Part Number
	36F	OS2 SMF	#74185	FHZ-36F3MTPLCOS2
	36F	OM4 MMF	#74184	FHZ-36F3MTPLCOM4

3. FHU Standard Density Series

FHU high density pre-terminated cabling and patch panel solution, designed to meet unique structured cabling requirements. Breakout panels and patch panels could mount to 19" rails directly, provide efficient and easy management of fiber optic cables in the rack or cabinet.

3.1 MTP®-LC Breakout Cassettes

Image	Fiber Count	Fiber Mode	Connector	ID Number	Part Number
	96F	OS2 SMF	MTP®-8	#43552	FHU-96FLC12MSMF
	96F	OM4 MMF	MTP®-8	#43514	FHU-96FLC12MOM4

3.2 Fiber Adapter Panels

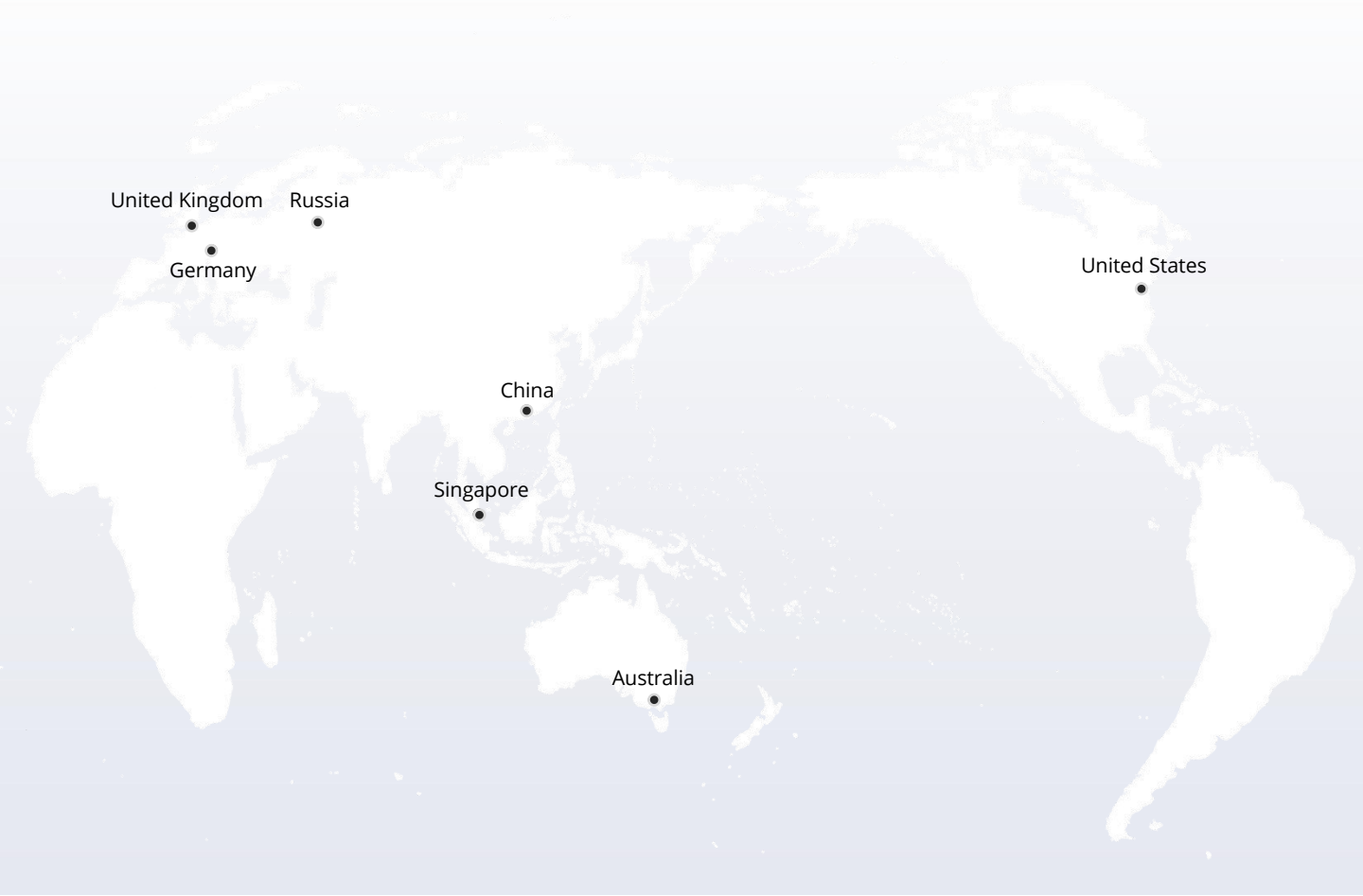
LC Adapter

Image	Description	Fiber Count	Fiber Mode	ID Number	Part Number
	1U 19″ Adapter Panel	48F	OS2 SMF	#35530	FHU-FPP48FLCSMF
	1U 19″ Adapter Panel	48F	OM4 MMF	#35531	FHU-FPP48FLC10GMM

Image	Description	Fiber Count	Fiber Mode	IDNumber	Part Number
	1U 19" Adapter Panel	96F	OS2 SMF	#69081	FHU-FPP96FLCHSMF
	1U 19" Adapter Panel	96F	OM4 MMF	#69082	FHU-FPP96FLCH10GMM

SC Adapter

Image	Description	Fiber Count	Fiber Mode	ID Number	Part Number
	1U 19" Adapter Panel	48F	OS2 SMF	#35529	FHU-FPP48FSCSMF



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