FS

FHD MTP®-8 Cassettes

High-density
Pre-terminated Modular Cassette System

Description

FHD Fiber Optic MTP® Cassettes consist of pre-terminated LC adapters 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.

Features

- Pre-terminated cassette for improved reliability and quick deployment.
- High performance connectors to achieve a low loss optical budget.
- Plug-N-play modules allow fast installa-tion of multiple fiber links.
- Offered in a wide range of performance and polarity con-figurations.
- The corning fiber compliant to Telcordia, EIA/TIA and IEC standards.

Product Specifications

I. Product Constructions

Fiber Count	8 Fibers and 24 Fibers
Fiber Mode	Multimode: OM3/OM4 50/125μm Single mode: OS2 9/125μm
Front Connector	Multimode: LC Duplex with UPC Polish Single mode: LC Duplex with UPC Polish
Rear Connector	Multimode: MTP® Adapter(s) with Male Ferrules (pins) and UPC Polish Single mode: MTP® Adapter(s) with Male Ferrules (pins) and APC Polish
Material	Aluminium (AL5052)
Dimensions (HxWxD)	1.38"x4.29"x4.64" (35x109x118mm)

II. Performance Properties

Rear Connector	US Conec MTP®
Insertion Loss	Multimode: Ultra low IL 0.35dB max. Single mode: Ultra low IL 0.35dB max.
Return Loss	Multimode: ≥20dB Single mode: ≥60dB
Connector Durability	MTP® Connector Meets TIA/EIA-568.C.3A.4.9 Durability: 500 Mating Cycles

Note:

US Conec MTP®® connector.

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

III. Performance Properties

Front Connector	LC Duplex
Fiber Mode	Multimode/Single mode
Material of Sleeve	Zirconia Ceramic
Insertion Loss	Multimode: UPC ≤0.2dB Single mode: UPC ≤0.2dB
Return Loss	Multimode: UPC ≥30dB Single mode: UPC ≥50dB

IV. Environmental Characteristics

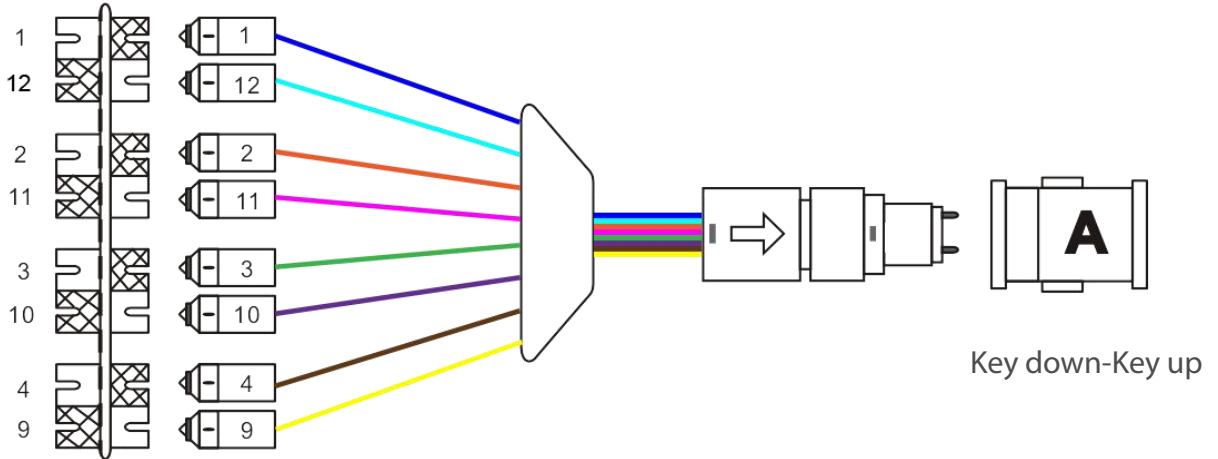|	
Operating Temperature	-10℃-60℃
Storage Temperature	-10℃-60℃

Standards Compliance

- ISO9001 Certificate
- RoHS Compliant
- REACH Compliant
- IEC61754-7
- TIA 605-4
- EIA/TIA and Telecocordia GR-326-CORE standards

Polarity Illustration

In any installation, it is iMTP®rtant to ensure that the transmitter at one end matches the corresponding receiver at the other end. FS provides a number of intelligent solutions that can help you manage and optimize your network and its connectivity.

I. MTP® -8 Cassette

Key down-Key up

Ordering Information

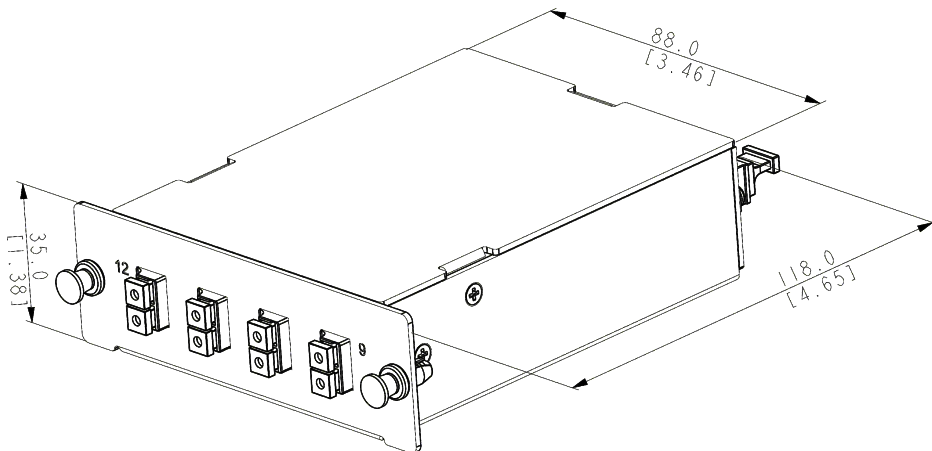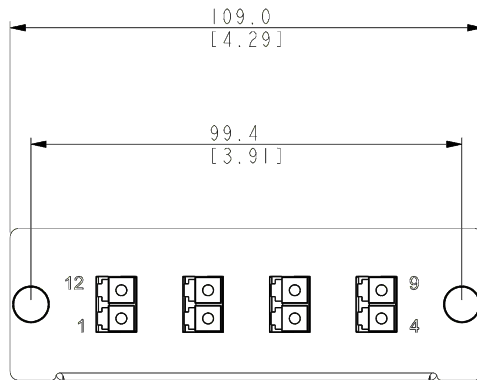| A	B	C	D	E	F	G
Fiber Count	Rear Connector	Fiber Mode	Front Connector	Polish Type	Insertion Loss(dB)	Front Color
8F	MTP®-8	OS2	LC Duplex	UPC	Elite 0.35	Blue
24F		OM4				Aqua

Note:

MTP® Connector (Single mode): APC Polish as default

MTP® Connector (Multimode): UPC Polish as default

Layout and Dimensions

MTP®-8 to 4x LC Duplex, 8 Fibers Cassette

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

Products List

I.FHD MTP®-8 Cassette List

ID Number	Description
#68401	MTP®-8 to 4x LC Duplex (Blue), 8 Fibers OS2 Single Mode FHD MTP® Cassette, Universal Polarity
#68402	MTP®-8 to 4x LC Duplex (Aqua), 8 Fibers OM4 Multimode FHD MTP® Cassette, Universal Polarity
#143164	3x MTP®-8 to 6x LC Quad (Blue), 24 Fibers OS2 Single Mode FHD MTP® Cassette, Universal Polarity
#68399	3x MTP®-8 to 6x LC Quad (Aqua), 24 Fibers OM4 Multimode FHD MTP® Cassette, Universal Polarity

II.Matching Product

Description	ID Number	Part Number	Capacity	Max. Fiber Count (LC)
FHD 1U Sliding Rack Mount Enclosure	#70361	FHD-1UFCE	4 Ports	144F
FHD 2U Sliding Rack Mount Enclosure	#73205	FHD-2UFCE	8 Ports	288F
FHD 4U Sliding Rack Mount Enclosure	#73206	FHD-4UFCE	12 Ports	432F
FHD 1U Fixed Rack Mount Enclosure	#96427	FHD-1UFMT-N	4 Ports	144F
FHD 1U Modular Rack Mount Enclosure	#70419	FHD-1U-CMP400	4 Ports	144F
FHD 1U Blank Rack Mount Enclosure	#72910	FHD-FPP5DRL	4 Ports	144F
FHD Wall Mount Enclosure	#50550	FHD-FWME2	2 Ports	72F

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Germany

United States

China

Singapore

Australia

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