FHD MPO-8 Cassettes

High-density
Pre-terminated Modular Cassette System

Description

FHD Fiber Optic MPO 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 installation 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.

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Product Specifications

I. Product Constructions

Fiber Count	8 Fibers and 24 Fibers
Fiber Mode	Multimode: OM3 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: MPO adapter(s) with male ferrules (pins) and UPC polish Single mode: MPO 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	MPO
Insertion Loss	Multimode: Ultra low IL 0.35dB max. Single mode: Ultra low IL 0.35dB max.
Return Loss	Multimode: ≥20dB Single mode: ≥60dB

III. Performance Properties

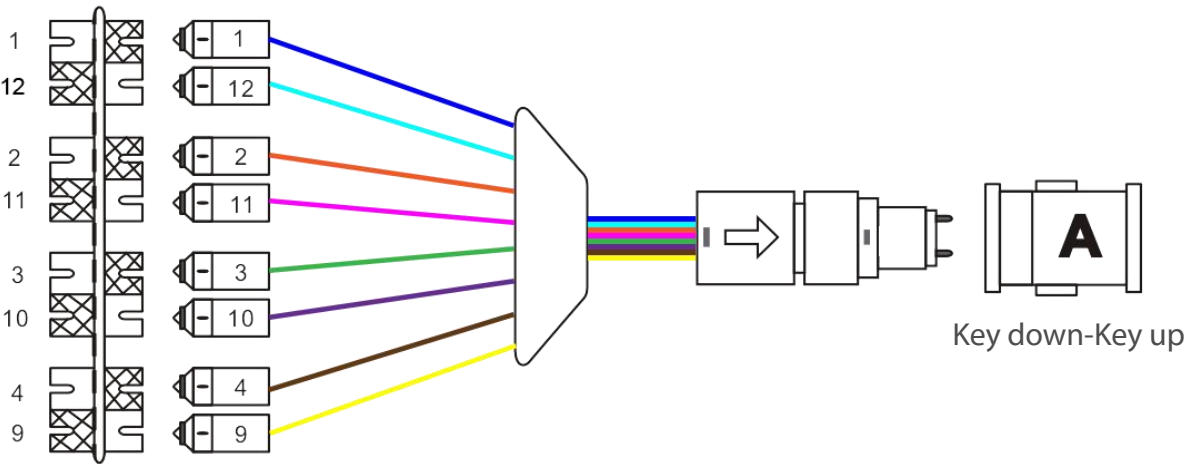|	
Front Connector	LC Duplex
Fiber Mode	Multimode/Single mode
Material of Sleeve	Zirconia Ceramic
Insertion Loss	Multimode: UPC ≤0.2dB Single mode: UPC ≤0.2dB
Return Loss	Multimode: UPC ≥30dB Single mode: UPC ≥50dB

IV. Environmental Characteristics

Operating Temperature	0℃-75℃
Storage Temperature	-40℃-75℃

Polarity Illustration

In any installation, it is important 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.
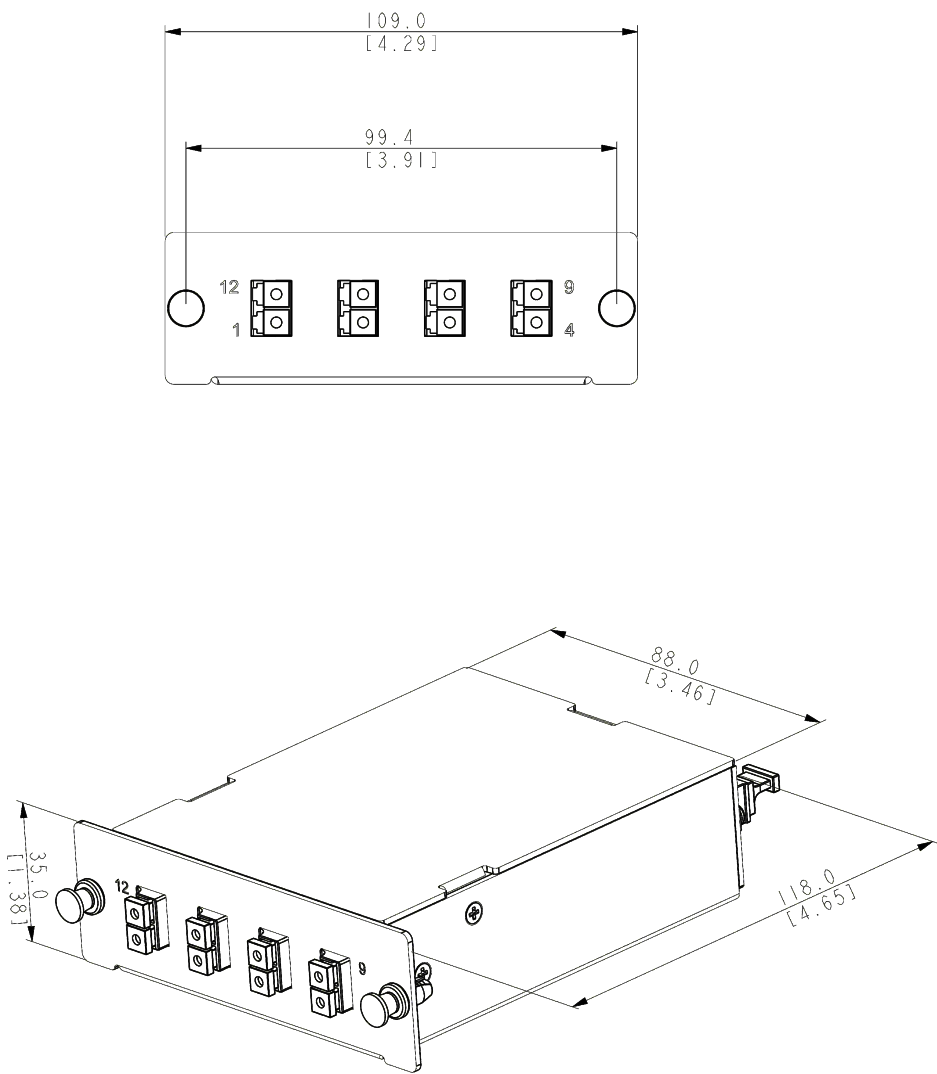
MPO -8 Cassette

Key down-Key up

Ordering Information

A	B	C	D	E	F
Fiber Count	Rear Connector	Fiber Mode	Front Connector	Polish Type	Insertion Loss(dB)
8F	MPO-8	OS2	LC Duplex	UPC	Elite 0.35
24F		OM3			

Note:

MPO Connector (Single mode): APC Polish as default

MPO Connector (Multimode): UPC Polish as default

Layout and Dimensions

MPO-8 to 4x LC Duplex, 8 Fibers Cassette

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

Hot Products

ID	Description
#79411	MPO-8 to 4x LC Duplex, 8 Fibers OS2 Single Mode FHD MPO Cassette, 40G/100G to 10G/25G
#79412	MPO-8 to 4x LC Duplex, 8 Fibers OM3 Multimode FHD MPO Cassette, 40G/100G to 10G/25G
#79413	3x MPO-8 to 6x LC Quad, 24 Fibers OM3 Multimode FHD MPO Cassette, 40G/100G to 10G/25G

Matching Products

ID	Description
#34684	1U Rack Mount FHD High Density Fiber Enclosure Unloaded, Holds up to 4x FHD Cassettes or Panels
#70361	Upgrading 1U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded
#73205	Upgrading 2U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded
#73206	Upgrading 4U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded
#50550	2-Door 2-Adapter Panel Wall Mount Fiber Enclosure
#70419	1U Rack Mount FHD Modular Fiber Enclosure Panel, Holds up to 4x FHD Cassette or Panels

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