



Product: [FM4MFB1050MLMNE](#)

FMT OM4 MPO12(F-F) B 12F 50M ZH/OFNR MD_4.8 0.5xIL NxPE EV

Product Description

FX MPO TRUNK, OM4, MPO-12(FEMALE TO FEMALE), TYPE-B, 1 MPO (12 FIBERS), 50 M, LSZH/OFNR, MINI-DISTRIBUTION 4.8 MM (DOUBLE JACKET), FAN-OUT: 0.5M x IN-LINE, NO PULLING EYE, ERIKA VIOLET JACKET

Technical Specifications

Product Overview

Suitable Applications:	Data Center, LAN, Equipment Room, Telecommunication room, Workstation Area
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Fiber Specifications

Fiber Core Diameter:	50/125 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Physical Specifications

Connectors

Description	Type	Housing Material	Housing Color	Boot Material	Boot Color
Connector A (Inside End)	MPO-12 Female	Plastic	Erika Violet	Rubber	Black
Connector B (Outside End)	MPO-12 Female	Plastic	Erika Violet	Rubber	Black

Fan-out (Legs)

Description	Transition	Length (m)	Diameter	Geometry
Connector A (Inside End)	LPM	0.5 m	3.0 mm	In-Line
Connector B (Outside End)	LPM	0.5 m	3.0 mm	In-Line

Assembly Cable

Cable Nominal OD	Jacket Color
4.8 mm	Erika Violet

Measurement

Overall Assembly Length	Packaging
50 m (164 ft)	Individually packaged in a plastic spool

Overall Length Tolerances

Range	Tolerance
0 to 2 meters	+0.2 / -0 meter
2.1 to 4.9 meters	+0.3 / -0 meter
5 to 40 meters	+0.4 / -0 meter
over 40 meters	+1.0% / -0%

Armor Specifications

Armor Type and Material:	No Armor
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Optical Characteristics

Polarity Identification:	Type-B
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Fiber Connector Performance

Description	Connector Type	Max. Insertion Loss	Min. Return Loss
Connector A (Inside End)	MPO-12 Female	0.20 dB	-25 dB
Connector B (Outside End)	MPO-12 Female	0.20 dB	-25 dB

Mechanical Characteristics

Pulling Eye Type:	No Pulling Eye
Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD

Temperature Range

Operating Temperature Range:	-10°C to +60°C
Storage Temperature Range:	-10°C to +60°C

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	LSZH
UL Rating:	Low Smoke
TIA/EIA Compliance:	TIA/EIA 568.3
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)
MII Order #39 (China RoHS):	EUP 50
Other Standard Compliance(s):	ACMA

Product Notes

Related Parts:	DCX system, FX UHD Patch Panels, ECX Patch Panels, FX Patch cords, FX MPO Trunks, FX Multi-fiber Trunks
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History

Update and Revision:	Revision Number: 0.4 Revision Date: 06-13-2025
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