



Product: [FPSMFMF02M4P7BY](#) 

FXPC OS2 MPO12_F MPO12_F 2.4M OFNP RD_3 B YL_JKT

Product Description

FX PATCH CORD, OS2, MPO-12 (F) – MPO-12 (F), 2.4 M, OFNP, ROUND 3.0 MM, TYPE-B, YELLOW JACKET

Technical Specifications

Product Overview

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

Fiber Type:	OS2
Fiber Core Diameter:	9/125 µm
Fiber Count:	12
Fiber Color Code:	TIA-598-D

Physical Specifications

Connectors

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

Fan-out (Legs)

Description	Diameter
Connector A (Inside End)	3.0 mm
Connector B (Outside End)	3.0 mm

Assembly Cable

Cable Nominal OD	Jacket Color
3.0 mm	Yellow

Measurement

Overall Assembly Length	Packaging
2.4 m (7.87 ft)	Individually packaged in a plastic bag

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	0.25 dB	65 dB
Connector B (Outside End)	MPO-12 Female	0.25 dB	65 dB

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum 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:	OFNP
UL Rating:	Plenum
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
Notes:	Test Wavelength: 1310nm & 1550nm

History

Update and Revision:	Revision Number: 0.2 Revision Date: 07-22-2026
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