



Product: [AS48LDFMFEA080M](#)

OS2 48F LC_DX MPO12_F 80M, OFCP JKTx1.0xIL JKTx0.5xIL

Product Description

FX MULTI-FIBER TRUNK, OS2, 48 FIBERS, LC DUPLEX (JACKETED x 1.0M x IN-LINE) - MPO-12 (F) (JACKETED x 0.5M x IN-LINE), OFCP (PLENUM ARMORED), 80 M, 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:	48
Fiber Color Coding:	TIA-598-D

Physical Specifications

Connectors

Description	Type	Housing Material	Housing Color	Ferrule	Boot Material	Boot Color
Connector A (Inside End)	LC Duplex	Plastic	Blue	Zirconia Ceramic	Rubber	Blue
Connector B (Outside End)	MPO-12 Female	Plastic	Green	Zirconia Ceramic	Rubber	Blue

Fan-out (Legs)

Description	Transition	Length (m)	Diameter	Geometry
Connector A (Inside End)	LPM	1.05 m	2.0 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	Yellow

Measurement

Packaging
Individually packaged

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:	A-to-B / B-to-A
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Fiber Connector Performance

Description	Connector Type	Max. Insertion Loss	Min. Return Loss
Connector A (Inside End)	LC Duplex	0.25 dB	-55 dB
Connector B (Outside End)	MPO-12 Female	0.35 dB	-60 dB

Mechanical Characteristics

Pulling Eye Type:	FX Pulling Eye
Pulling Eye Location:	Outside End
Pulling Eye Tension:	100 lbs
Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD

Temperature Range

Operating Temperature Range:	-40°C To +75°C
Storage Temperature Range:	-40°C To +75°C

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	OFCP
UL Rating:	Plenum Armored (AIA)
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: 05-02-2025
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