



**Product:** [AX110185-xxxM](#)

FMT I/O OM4 MPO12(M-O) 48F xxxM OFCP MD\_3.0 1.0xIL BK\_JKT  
AQ\_SUB

### Product Description

FX MPO TRUNK, INDOOR/OUTDOOR, OM4, MPO-12 (MALE TO OPEN), 4 MPO (48 FIBERS), xxx M (LENGTH IN METERS), OFCP (PLENUM ARMORED), MINI-DISTRIBUTION (3.0MM SUB-UNITS), FAN-OUT: 1.0M x IN-LINE, BLACK JACKET, AQUA SUB-UNITS

### Technical Specifications

#### Product Overview

Suitable Applications:	Data Center, LAN, Horizontal Backbone, Premise Backbone, Patching, Trunking
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#### Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 µm
Fiber Count:	48
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 Male	Plastic	Aqua	Rubber	Black

##### Fan-out (Legs)

Description	Transition	Length (m)	Diameter	Geometry
Connector A (Inside End)	Heat Shrink	1.0 m	3.0 mm	In-Line

##### Assembly Cable

Cable Nominal OD	Jacket Color
18.2 mm	Black

##### Measurement

Overall Assembly Length
xxx meters

##### 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:	AIA - Aluminum Interlock Armor
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#### Optical Characteristics

##### Fiber Connector Performance

Description	Connector Type	Max. Insertion Loss	Min. Return Loss
Connector A (Inside End)	MPO-12 Male	0.2 dB	30 dB

## Mechanical Characteristics

Pulling Eye Type:	Traditional
Pulling Eye Location:	Open end
Pulling Eye Tension:	100 lbs
Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	20x Cable OD
Crush Resistance:	440 N/cm

## Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	OFCP, UL 910, FT6
TIA/EIA Compliance:	TIA/EIA 568.3
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

## Product Notes

Related Parts:	DCX system, FX UHD Patch Panels, ECX Patch Panels, FX Patch cords, FX MPO Trunks, FX Multi-fiber Trunks
Notes:	This assembly has WB tape and WB yarn.

## History

Update and Revision:	Revision Number: 0.10 Revision Date: 07-15-2024
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