



Product: FMSMMB4xxxM ☑

FMT OS2 MPO12(M-M) B 48F xxxM OFNP MD\_2.0 0.5xINLINE YL

# **Product Description**

FX MPO TRUNK, OS2, MPO-12(MALE TO MALE), TYPE-B, 4 MPO (48 FIBERS), xxx M (LENGTH IN METERS), OFNP, MINI-DISTRIBUTION (2.0MM SUB-UNITS), FAN-OUT:  $0.5M \times IN-LINE$ , YELLOW JACKET

# **Technical Specifications**

#### **Product Overview**

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

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

# **Physical Specifications**

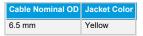
## Connectors

Description	Туре	Housing Material	<b>Housing Color</b>	<b>Boot Material</b>	<b>Boot Color</b>
Connector A (Inside End)	MPO-12 Male	Plastic	Green	Rubber	Black
Connector B (Outside End)	MPO-12 Male	Plastic	Green	Rubber	Black

## Fan-out (Legs)

Description	Transition	Length (m)	Diameter	Geometry
Connector A (Inside End)	LPM	0.5 m	2.0 mm	In-Line
Connector B (Outside End)	LPM	0.5 m	2.0 mm	In-Line

#### Assembly Cable



#### Measurement



# 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:
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#### Fiber Connector Performance

Description	Connector Type	Max. Insertion Loss	Min. Return Loss
Connector A (Inside End)	MPO-12 Male	0.35 dB	60 dB
Connector B (Outside End)	MPO-12 Male	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:	-10C to +60C
Storage Temperature Range:	-10C to +60C

## **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**

#### History

Update and Revision:	Revision Number: 0.9 Revision Date: 07-21-2023

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