



Product: <u>FM44MB1xxxMPMEE</u> ☑

FMT OM4 MPO8(M-M) B 8F xxxM OFNP MD\_4.8 1.0xINLINE EV

## **Product Description**

FX MPO TRUNK, OM4, MPO-12 BASE 8(MALE TO MALE), TYPE-B, 1 MPO (8 FIBERS), xxx M (LENGTH IN METERS), OFNP, MINI-DISTRIBUTION 4.8 MM (DOUBLE JACKET), FAN-OUT: 1.0M x IN-LINE, ERIKA VIOLET JACKET

## **Technical Specifications**

#### **Product Overview**

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

#### Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 μm
Fiber Count:	8
Fiber Color Coding:	TIA-598-D

## **Physical Specifications**

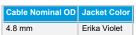
## Connectors

Description	Туре	Housing Material	Housing Color	Boot Material	<b>Boot Color</b>
Connector A (Inside End)	MPO-12 (Base 8) Male	Plastic	Erika Violet	Rubber	Black
Connector B (Outside End)	MPO-12 (Base 8) Male	Plastic	Erika Violet	Rubber	Black

## Fan-out (Legs)

Description	Transition	Length (m)	Diameter	Geometry
Connector A (Inside End)	LPM	1.0 m	3.0 mm	In-Line
Connector B (Outside End)	LPM	1.0 m	3.0 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 (Base 8) Male	0.20 dB	30 dB
Connector B (Outside End)	MPO-12 (Base 8) Male	0.35 dB	30 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: 0.12 Revision Date: 05-31-2024

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