

FM1MFA1010MPMDO Cable Assemblies - FM MPO TRUNK ASSEMBLY



For more Information
please call

1-800-Belden1

General Description:

FX MPO TRUNK, OM1, MPO-12(FEMALE TO FEMALE), TYPE-A, 1 MPO (12 FIBERS), 10 M, OFNP, MINI-DISTRIBUTION (3.0MM SUB-UNITS), ORANGE JACKET

Usage (Overall)

Suitable Applications:	Data Centers, Main Equipment Rooms, Telecommunications Rooms
Related Parts:	FX Ultra & Ultra HD Cassettes and Frames, FX Manager Connector Modules

Multi Conductor

Physical Characteristics

Overall Cabling

Overall Cabling Fillers:	Refer to cable Technical Specifications
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Cable Characteristics (Connectivity)

Overall Diameter

Overall Nominal Diameter:	0.118 in.
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Physical Characteristics (Connectivity)

Fiber Type

Fiber Type:	62.5 Micron (OM1)
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Materials

Materials:

Description	Type	Material	Color
Connectors at both ends	MPO Female	Plastic	Beige
Boots at both ends		Rubber	Black

Wiring Scheme

Wiring Scheme:	TIA/EIA 568-C.3
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Weight

Weight:	1.290 lbs.
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Packaging

Packaging:	Individually packaged
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Mechanical Characteristics (Connectivity)

Storage Temperature Range:	-10°C To +60°C
Operating Temperature Range:	-10°C To +60°C

Environmental/Mechanical Characteristics:

Test (Method)	TIA 568-D.3
Humidity (FOTP-5)	90-95% @ 40°C for 4 days
Temperature Life (FOTP-4)	60°C for 4 days
Cable Retention (FOTP-6)	5.0 kg @ 0 deg.
Durability (FOTP-21)	500 cycles
Twist (FOTP-36)	1.5 kg for 10 cycles
Flex (FOTP-1)	0.5 kg @ 90° to -90° for 100 cycles
Low Temperature (FOTP-188)	-10°C for 4 days

Overall Length Tolerances:

Range	Tolerance	Range	Tolerance	Range	Tolerance
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Sx & Dx Patchcord	Sx & Dx Patchcord	MPO Trunk	MPO Trunk	Multi-Fiber Cable Assembly	Multi-Fiber Cable Assembly
0 to 2 meters	+0.2 / -0 meter	0 to 2 meters	+0.2 / -0 meter	0 to 2 meters	+0.2 / -0 meter
2.1 to 5.0 meters	+0.3 / -0 meter	2.1 to 5.0 meters	+0.3 / -0 meter	2.1 to 5.0 meters	+0.3 / -0 meter
5.1 to 40 meters	+0.4 / -0 meter	5.1 to 20 meters	+0.4 / -0 meter	5.1 to 20 meters	+0.4 / -0 meter
Over 40.1 meters	+ 1.0% / -0%	Over 20.1 meters	+ 1.0% / -0%	Over 20.1 meters	+ 1.3 / -0 meter

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating: Plenum

EU Directive 2011/65/EU (ROHS II): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2013

MIL Order #39 (China RoHS): Yes

Safety Listing: ACA, Bi-national Standard Listed

Suitability

Suitability - Indoor: Yes

Transmission Characteristics (Connectivity)

Optical Connector Performance:

Description	OM1 (62.5 µm)	OM2 (50 µm)	OM3 (50 µm)	OM4 (50 µm)	OS2 (Singlemode) UPC	OS2 (Singlemode) APC
Maximum IL (dB) SingleFiber Connector LC - SC - ST	0.25 dB	0.25 dB	0.25 dB	0.15 dB	0.35 dB	0.35 dB
Typical RL (dB) SingleFiber connector LC - SC - ST	-30 dB	-30 dB	-30 dB	-30 dB	-55 dB	-65 dB
Maximum IL (dB) MultiFiber Connector MPO	0.5 dB	0.5 dB	0.35 dB	0.2 dB	-	0.75 dB
Typical RL (dB) MultiFiber Connector MPO	-30 dB	-30 dB	-30 dB	-30 dB	-	-60 dB

Electrical Characteristics (Overall)

Notes (Overall)

Product Family

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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