

FMSMMB1010M Cable Assemblies - FiberExpress MPO Cable Assembly



For more Information
please call

1-800-Belden1

**General Description:**

FX MPO TRUNK, OS2, MPO-12(MALE TO MALE), Type-B, 1 MPO (12 fibers), 10 M, OFNP, MINI-DISTRIBUTION (3.0MM SUB-UNITS), YELLOW JACKET

Usage (Overall)

Suitable Applications:	Data Centers, Main Equipment Rooms, Telecommunications Rooms
Related Parts:	FiberExpress Ultra & Ultra HD Pre-terminated Cassettes and Frames

Physical Characteristics (Connectivity)**Fiber Type**

Fiber Type:	SM, (OS2)
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Materials**Materials:**

Description	Material	Color
Jacket	OFNP	Yellow

Wiring Scheme

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

Packaging:	Individually packaged
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Mechanical Characteristics (Connectivity)

Storage Temperature Range:	-40°C To +75°C
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Operating Temperature Range:	-10°C To +60°C
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Environmental/Mechanical Characteristics:

Test (Method)	TIA 568-D.3	Belden
Thermal Cycling (FOTP-3)	n/a	-40 to 75°C cycling for 7 days
Temperature Life (FOTP-4)	60°C for 4 days	85°C for 7 days
Humidity (FOTP-5)	90-95% at 40°C for 4 days	95% @ 75°C for 7 days
Durability (FOTP-21)	500 cycles	6 x 200 cycles (3 Elevations)
Cable Retention (FOTP-6)	5.0 kg @ 0 deg.	1.94 kg @90 deg.
Flex (FOTP-1)	0.5 kg @ 90° to -90° for 100 cycles	0.9 kg @ 90° to -90° for 100 cycles
Twist (FOTP-36)	1.5 kg for 10 cycles	1.5 kg for 10 cycles

Overall Length Tolerances:

Range	Tolerance	Range	Tolerance	Range	Tolerance
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**

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UL Rating: Plenum

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2006

MII Order #39 (China RoHS): Yes

Safety Listing: ACA, Bi-national Standard Listed

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

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)**

Notes: NXC-UPSL-PGANNN-BGANNN-O-0010

Product Family**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
FMSMMB1010M	1 EA	0.208 KG			FMT OS2 MPO12(M-M) B 12F 10M

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