

## FP3LDSD001M Cable Assemblies - FiberExpress Duplex Patch Cord



For more Information  
please call

1-800-Belden1

**General Description:**

FX PATCH CORD, OM3, LC DUPLEX - SC DUPLEX, 1 M, OFNR, DUPLEX ZIP 2.0 MM, A-TO-B, AQUA JACKET

**Usage (Overall)**

<b>Suitable Applications:</b>	Data Centers, Main Equipment Rooms, Telecommunications Rooms and Work Area
<b>Related Parts:</b>	FiberExpress Adapter Strips, FiberExpress Manager Modules and FiberExpress Ultra Frames and Cassettes. Workstation Outlets

**Multi Conductor****Physical Characteristics****Overall Cabling**

<b>Overall Cabling Fillers:</b>	Refer to cable Technical Specifications
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**Overall Diameter**

<b>Overall Nominal Diameter:</b>	0.078 x 0.156 in.
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**Cable Characteristics (Connectivity)****Outer Jacket**

Outer Jacket Color Code Chart:

<b>Color</b>
Aqua

**Physical Characteristics (Connectivity)****Fiber Type**

<b>Fiber Type:</b>	50 Micron (OM3)
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**Materials**

Materials:

Description	Type	Material
Connector at end 1	LC-DUPLEX	Plastic
Boot at both ends		Rubber
Ferrule at end 1	1.25mm	Zirconia-Ceramic
Jacket	2.0 mm Zip	OFNR
Connector at end 2	SC-Duplex	Plastic
Ferrule at end 2	2.5mm	Zirconia-Ceramic

**Wiring Scheme**

<b>Wiring Scheme:</b>	TIA/EIA 568-C.3
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**Weight**

<b>Weight:</b>	0.110 lbs.
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**Packaging**

<b>Packaging:</b>	Individually packaged in a clear plastic bag.
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**Mechanical Characteristics (Connectivity)**

<b>Storage Temperature Range:</b>	-40°C To +75°C
<b>Operating Temperature Range:</b>	-40°C To +75°C

**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.

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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 &amp; Environmental Programs

UL Rating: Riser

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

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

MIL Order #39 (China RoHS): EUP 50

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)

Notes: Generic PEC code: NXF-FRF2-LDP-SDP-XXXX where "XXXX" determines the overall length of the product.

## Product Family

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
FP3LDSD001M	1 EA	0.050 KG			FXPC OM3 LC_DX SC_DX 1M

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