



For more Information  
please call

1-800-Belden1



### General Description:

FX PATCH CORD, OM3, LC DUPLEX - LC DUPLEX, 2 M, OFNR, DUPLEX ZIP 2.0 MM, A-TO-B, AQUA JACKET

### Usage (Overall)

**Suitable Applications:** Data Centers, Main Equipment Rooms, Telecommunications Rooms and Work Area

**Related Parts:** FiberExpress Adapter Strips, FiberExpress Manager Modules and FiberExpress Ultra Frames and Cassettes. Workstation Outlets

### Multi Conductor

#### Physical Characteristics

##### Overall Cabling

**Overall Cabling Fillers:** Refer to cable Technical Specifications

##### Overall Diameter

**Overall Nominal Diameter:** 1.981 x 3.962 mm

### Physical Characteristics (Connectivity)

#### Fiber Type

**Fiber Type:** 50 Micron (OM3)

#### Materials

##### Materials:

Description	Type	Material	Color
Connectors for both ends	LC-DUPLEX	Plastic	Aqua
Boots for both ends		Rubber	Aqua
Ferrules for both ends	1.25mm	Zirconia-Ceramic	

#### Wiring Scheme

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

#### Weight

**Weight:** 0.051 kg

#### Packaging

**Packaging:** Individually packaged.

### Mechanical Characteristics (Connectivity)

**Storage Temperature Range:** -40°C To +75°C

**Operating Temperature Range:** -40°C To +75°C

#### Environmental/Mechanical Characteristics:

Test (Method)	TIA 568.3	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°	1.94 kg @ 90°
Flex (FOTP-1)	0.5 kg @ 90° to -90° for 100 cycles	0.9 kg @ 90° to -90° for 100 cycles

## FP3LDLD002M Cable Assemblies - FP - FX PATCH CORD

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

<b>UL Rating:</b>	Riser
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2006
<b>MII Order #39 (China RoHS):</b>	EUP 50
<b>Telecommunications Standards:</b>	TIA 568.C.3
<b>Safety Listing:</b>	ACA, Bi-national Standard Listed

### Suitability

<b>Suitability - Indoor:</b>	Yes
------------------------------	-----

## Transmission Characteristics (Connectivity)

### Optical Connector Performance:

Description	OM1 (62.5 μm)	OM2 (50 μm)	OM3 (50 μm)	OM4 & OM5 (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	-	0.50 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
FP3LDLD002M	1 EA	0.051 KG			FXPC OM3 LC_DX LC_DX 2M

Revision Number: 0    Revision Date: 01-11-2016

© 2020 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

