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1-800-Belden1

General Description:

FX PATCH CORD, OM1, LC DUPLEX - LC DUPLEX, 3M, OFNR, DUPLEX ZIP 2.0 MM, A-TO-B, ORANGE 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: 62.5 Micron (OM1)

Materials

Materials:

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

Wiring Scheme

Wiring Scheme: TIA/EIA 568-C.3

Weight

Weight: 0.058 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-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

| | |
|---------------------------------------|----------------------------------|
| UL Rating: | Riser |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2013 |
| MII 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)

Product Family

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|-------|-------------|-------|-------|-------------------------|
| FP1LDLD003M | 1 EA | 0.058 KG | | | FXPC OM1 LC_DX LC_DX 3M |
| FP1LDLD003MR2SO | 1 EA | 0.058 KG | | | FXPC OM1 LC_DX LC_DX 3M |

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