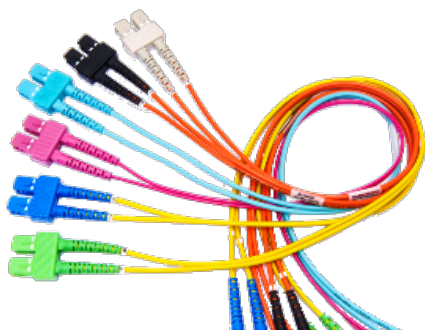


## FP1SDSD002M Cable Assemblies - FiberExpress Duplex Patch Cord



For more Information  
please call

1-800-Belden1

**General Description:**

FX PATCH CORD, OM1, SC DUPLEX - SC DUPLEX, 2 M, OFNR, DUPLEX ZIP 3.0 MM, A-TO-B, ORANGE 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 |
|---------------------------------|-----------------------------------------|

**Overall Diameter**

|                                  |                  |
|----------------------------------|------------------|
| <b>Overall Nominal Diameter:</b> | 2.794 x 5.588 mm |
|----------------------------------|------------------|

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

|                    |                   |
|--------------------|-------------------|
| <b>Fiber Type:</b> | 62.5 Micron (OM1) |
|--------------------|-------------------|

**Materials****Materials:**

| Description             | Type      | Material         | Color |
|-------------------------|-----------|------------------|-------|
| Connectors at both ends | SC-Duplex | Plastic          | Beige |
| Boots at both ends      |           | Rubber           | Beige |
| Ferrules at both ends   | 2.5mm     | Zirconia-Ceramic |       |

**Wiring Scheme**

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

**Weight**

|                |          |
|----------------|----------|
| <b>Weight:</b> | 0.078 kg |
|----------------|----------|

**Packaging**

|                   |                        |
|-------------------|------------------------|
| <b>Packaging:</b> | Individually packaged. |
|-------------------|------------------------|

**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.                   |
| 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            |

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|                   |                 |                   |                 |                   |                  |
|-------------------|-----------------|-------------------|-----------------|-------------------|------------------|
| 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)

## Product Family

## Put Ups and Colors:

| Item #      | Putup | Ship Weight | Color | Notes | Item Desc               |
|-------------|-------|-------------|-------|-------|-------------------------|
| FP1SDSD002M | 1 EA  | 0.087 KG    |       |       | FXPC OM1 SC_DX SC_DX 2M |

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