



Product: [FI1I002PB](#)

Indoor Plenum OM1 Interconnect 2F DX DX Cord 2.0mm Orange

Product Description

FX Indoor OM1 Interconnect 2 Fibers OFNP DX DX Cord 2.0MM (900UM) Orange Jacket

Technical Specifications

|                    |              |
|--------------------|--------------|
| Part Number:       | FI1I002PB    |
| Construction Type: | Interconnect |

Product Overview

|                        |        |
|------------------------|--------|
| Environmental Space:   | Indoor |
| Suitable Applications: | Indoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM1        | 2           |

|                     |              |
|---------------------|--------------|
| Fiber Color Coding: | Blue, Orange |
|---------------------|--------------|

Buffer Specification

| Buffer Material | Buffer Diameter |
|-----------------|-----------------|
| PVC             | 900 μm          |

|                    |              |
|--------------------|--------------|
| Bulk Cable Weight: | 7 lbs/1000ft |
|--------------------|--------------|

Outer Jacket

Outer Jacket Material

| Material                 | Nominal Diameter              |
|--------------------------|-------------------------------|
| PVC - Polyvinyl Chloride | 0.078 x 0.170 in (2 x 4.3 mm) |

|                   |                     |
|-------------------|---------------------|
| Color:            | Orange              |
| Nominal Diameter: | 0.078 in x 0.156 in |

Optical Characteristics

|                                        |                         |
|----------------------------------------|-------------------------|
| Effective Modal Bandwidth (EMB):       | 220 MHz-km / 500 MHz-km |
| Fiber Core Diameter:                   | 62.5/125μm              |
| Max Attenuation at 1300 nm:            | 1.25 dB/km              |
| Max Attenuation at 850 nm:             | 3.5 dB/km               |
| Wavelength:                            | 850 nm / 1300 nm        |
| 10 Gigabit Ethernet Performance:       | 33 m / 300 m            |
| 1 Gigabit Ethernet Performance:        | 275 m / 550 m           |
| Min Overfilled Launch (OFL) Bandwidth: | 200 MHz-km / 500 MHz-km |

Mechanical Characteristics

Mechanical Tests

| Description | Requirement/Value |
|-------------|-------------------|
|-------------|-------------------|

|                                                       |               |
|-------------------------------------------------------|---------------|
| Cable Min. Bend Radius Installation (Short Term)      | 20x Cable OD  |
| Cable Min. Bend Radius Operation (Long Term)          | 10x Cable OD  |
| Cable Max. Tensile Strength Installation (Short Term) | 11 N (50 lbf) |
| Cable Max. Tensile Strength Operation (Long Term)     | 3 N (15 lbf)  |

### Temperature Range

|                          |              |
|--------------------------|--------------|
| Operating Temp Range:    | 0C to +70C   |
| Installation Temp Range: | 0C to +60C   |
| Storage Temp Range:      | -40C to +70C |

### Standards

|                       |                    |
|-----------------------|--------------------|
| UL Rating/Flame Test: | Plenum             |
| CEC/C(UL) Compliance: | FT6                |
| NEC/(UL) Compliance:  | OFNP               |
| TIA/EIA Compliance:   | ANSI/ICEA S-83-596 |
| RoHS:                 | Yes                |

### History

#### Variants

| Item #    | Color  | UPC          |
|-----------|--------|--------------|
| F11I002PB | Orange | 612825287308 |

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.49 Revision Date: 01-31-2020 |
|----------------------|-------------------------------------------------|

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