

# Product: FI2M012P2

Indoor Plenum OM2 Mini-Distribution 12F 3.0 mm Orange

## Product Description

FX Indoor OM2 Mini-Distribution 12 Fibers OFNP 3.0 MM Orange Jacket

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking |

### Fiber Specifications

| | |
|---|---|
| Fiber Type: | OM2 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

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|---|---|
| Number of Active Subunits: | 1 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.118 in (3.0 mm) |
| Subunit Strength Members: | Aramid yarns |
| Central Strength Member: | GRP |

### Outer Jacket Specifications

| | |
|---|---|
| Strength Member: | Aramid yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter: | 0.270 in (7.0 mm) |
| Color: | Orange |
| Number of Ripcords: | 2 |

**Optical Characteristics**

| Wavelength | 850 nm | 1300 nm |
|---|---|---|
| Max. Attenuation | 3.5 dB/km | 1.5 dB/km |
| 1 Gigabit Ethernet Performance | 600 m | 600 m |
| 10 Gigabit Ethernet Performance | 82 m | -- |
| Min. Overfilled Launch (OFL) Bandwidth | 500 MHz.km | 500 MHz.km |

### Mechanical Characteristics

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|---|---|
| Min. Bend Radius During Installation: | 15x Cable OD |
| Min Bend Radius During Operation: | 10x Cable OD |
| Max Tensile Strength During Installation: | 670 N (150 lbf) |
| Max Tensile Strength During Operation: | 200 N (45 lbf) |
| Crush Resistance: | 110 N/cm |
| Bulk Cable Weight: | 33 lbs/kft (49 kg/km) |

## Standards and Compliance

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|---|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | OFNP, FT6 |
| NEC / UL Compliance: | N/A |
| ICEA Compliance: | S-83-596 |
| TIA/EIA Compliance: | ANSI/ICEA S-83-596 |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.66 Revision Date: 03-16-2021 |

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