Belden

# Product: FI1D048PK

Indoor Plenum OM1 Distribution 48 Fibers

## Product Description

FX Indoor OM1 Distribution Tight Buffer 48 Fibers OFNP Sub-Units (12F) Orange Jacket

## Technical Specifications

### Product Overview

| | |
|---|---|
| Product Category: | Fiber Distribution Cable |
| Suitable Applications: | Premise Backbone |

### Fiber Specifications

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|---|---|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 µm |
| Fiber Buffer Material: | PVC - Polyvinyl Chloride |
| Fiber Buffer Diameter: | 900 µm |
| Fiber Count: | 48 |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

| | |
|---|---|
| Number of Active Subunits: | 4 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.220 in (5.6 mm) |
| Subunit Color: | Orange |
| Fiber SubUnit Strength Members: | Aramid yarns |
| Central Strength Member Type: | Upjacketed GRP |
| Core Wrap Material: | Nomex Tape |

### Outer Jacket Specifications

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|---|---|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.590 in (15.0 mm) |
| Outer Jacket Color: | Orange |
| Outer Jacket Ripcord: | 1 |

### Mechanical Characteristics

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|---|---|
| Minimum Bend Radius During Installation: | 15x Cable OD |
| Minimum Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 1320 N (300 lbf) |
| Max. Tensile Strength During Operation: | 400 N (90 lbf) |
| Crush Resistance: | 100 N/cm |
| Bulk Cable Weight: | 123 lbs/kft (184 kg/km) |

### Temperature Range

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|---|---|
| Installation Temperature Range: | 0°C to +60°C |
| Operating Temperature Range: | 0°C to +70°C |

| | |
|---|---|
| Storage Temperature Range: | -40°C to +70°C |

## Standards and Compliance

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|---|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | OFNP, FT6 |
| ICEA Compliance: | S-83-596 |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.82 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FI1D048PK | Orange | Reel | 612825371113 |

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