Belden



# Product: FI4D048AK

Indoor Plenum OM4 Distribution 48Fibers Aluminum Interlocked

## Product Description

FX Indoor OM4 Distribution Tight Buffer 48 Fibers OFCP Aluminum Interlocked Armor Sub-Units(12F) Erika Violet Jacket

## Technical Specifications

### Product Overview

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

### Fiber Specifications

| | |
|---|---|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50/125 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: | Erika Violet |
| Fiber SubUnit Strength Members: | Aramid yarns |
| Central Strength Member Type: | Upjacketed GRP |
| Core Wrap Material: | Nomex tape |

### Inner Jacket Specifications

| | |
|---|---|
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter@InnerJacket1 (cnv): | 0.590 in (15.0 mm) |
| Color: | Erika Violet |
| Number of Inner Jacket Ripcords: | 1 |

### Armor Specifications

| | |
|---|---|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |

### Outer Jacket Specifications

| | |
|---|---|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.936 in (23.8 mm) |
| Outer Jacket Color: | Erika Violet |

### Mechanical Characteristics

| | |
|---|---|
| Minimum Bend Radius During Installation: | 20x 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: | 440 N/cm |
| Bulk Cable Weight: | 278 lbs/kft (414 kg/km) |

## Temperature Range

| | |
|---|---|
| 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

| | |
|---|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | OFCP, 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: 0.95 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FI4D048AK | Erika Violet | Reel | 612825378563 |

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