



## Product: [FI4D048FK](#)



### Indoor Riser OM4 Indoor Distribution 48Fibers Aluminum Interlocked

#### Product Description

FX Indoor OM4 Distribution Tight Buffer 48 Fibers OFCR 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 $\mu\text{m}$     |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 $\mu\text{m}$        |
| Fiber Count:         | 48                       |
| Fiber Color Coding:  | TIA-598-D                |

##### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 4                 |
| Fibers Per Subunit:        | 12                |
| Subunit Diameter:          | 0.230 in (5.8 mm) |
| Subunit Color:             | Erika Violet      |
| Subunit Strength Members:  | Aramid yarns      |
| Central Strength Member:   | Upjacketed GRP    |
| Core Wrap:                 | Mylar             |

##### Inner Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Material:           | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.664 in (16.9 mm)       |
| Color:              | Erika Violet             |
| Number of Ripcords: | 1                        |

##### Armor Specifications

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

##### Outer Jacket Specifications

|                  |                          |
|------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter:   | 1.061 in (26.9 mm)       |
| Color:           | Erika Violet             |

##### Optical Characteristics

| Wavelength                     | 850 nm    | 1300 nm   |
|--------------------------------|-----------|-----------|
| Max. Attenuation               | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1100 m    | 550 m     |

|  |             |            |
|--|-------------|------------|
| 10 Gigabit Ethernet Performance        | 550 m       | --         |
| Min. Effective Modal Bandwidth (EMB)   | 4700 MHz.km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz.km | 500 MHz.km |

## Mechanical Characteristics

|  |                         |
|--|-------------------------|
| Min. Bend Radius During Installation:      | 20x Cable OD            |
| Min. 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:                         | 369 lbs/kft (549 kg/km) |

## Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range:    | -20°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: | OFCR, FT4   |
| 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: 0.92 Revision Date: 11-09-2022 |
|----------------------|---|

## Part Numbers

### Variants

| Item #    | Color        | Putup Type | UPC          |
|-----------|--------------|------------|--------------|
| FI4D048FK | Erika Violet | Reel       | 612825382928 |

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