



**Product:** [FI4M048A1](#)

## Indoor Plenum OM4 Mini-Distribution 48F Armor 2mm SubUnits

### Product Description

FX Indoor OM4 Mini-Distribution 48 Fibers OFCP Aluminum Interlocked Armor Sub-Units (2.0MM) Erika Violet Jacket

### Technical Specifications

#### Product Overview

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

#### Fiber Specifications

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM4       |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter:      | 250 µm    |
| Fiber Count:         | 48        |
| Fiber Color Coding:  | TIA-598-D |

#### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 4                 |
| Fibers Per Subunit:        | 12                |
| Subunit Diameter:          | 0.078 in (2.0 mm) |
| Subunit Strength Members:  | Aramid yarns      |
| Central Strength Member:   | GRP               |

#### Inner Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Strength Member:    | Aramid Yarns             |
| Material:           | PVC - Polyvinyl Chloride |
| Color:              | Erika Violet             |
| Number of Ripcords: | 2                        |

#### Armor Specifications

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

#### Outer Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Jacket Material:    | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.583 (14.8)             |
| Color:              | Erika Violet             |
| Number of Ripcords: | 2                        |

#### Optical Characteristics

| Wavelength                             | 850 nm      | 1300 nm    |
|--|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.2 dB/km  |
| 1 Gigabit Ethernet Performance         | 1,040 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:         | 15x Cable OD    |
| Max. Tensile Strength During Installation: | 670 N (150 lbf) |
| Max. Tensile Strength During Operation:    | 200 N (45 lbf)  |
| Crush Resistance:                          | 440 N/cm        |

## Temperature Range

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

## Standards and Compliance

|                                  |                    |
|----------------------------------|--------------------|
| Environmental Suitability:       | Indoor             |
| Sustainability:                  | CA Prop 65         |
| Flammability / Reaction to Fire: | OFCP, FT6          |
| ICEA Compliance:                 | S-83-596           |
| TIA/EIA Compliance:              | ANSI/ICEA S-83-596 |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.86 Revision Date: 02-03-2025 |
|----------------------|---|

## Part Numbers

### Variants

| Item #    | Color        | Putup Type | UPC          |
|-----------|--------------|------------|--------------|
| FI4M048A1 | Erika Violet | Reel       | 612825288732 |

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