



**Product:** [FIBM048P8](#) 

Indoor Mini Distribution OS2 A2-B2 48 Fibers OFNP Sub-Units 2.0mm (8F)

## Product Description

FX Indoor, Mini Distribution, OS2 A2-B2, 48 Fibers, OFNP, Sub-Units 2.0mm (8F), Yellow Jacket

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Product Category:      | Fiber Mini Distribution Cable   |
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking |

### Fiber Specifications

|                     |                        |
|---------------------|------------------------|
| Fiber Type:         | OS2, G.657.A2, G.652.D |
| Fiber Diameter:     | 250 µm                 |
| Fiber Count:        | 48                     |
| Fiber Color Coding: | TIA-598-D              |

### Cable Construction

|                                 |                   |
|---------------------------------|-------------------|
| Number of Active Subunits:      | 6                 |
| Fibers Per Subunit:             | 8                 |
| Subunit Diameter:               | 0.078 in (2.0 mm) |
| Subunit Color:                  | Yellow            |
| Fiber SubUnit Strength Members: | Aramid yarns      |
| Central Strength Member Type:   | GRP               |

### Outer Jacket Specifications

|                       |                          |
|-----------------------|--------------------------|
| Strength Member:      | Aramid Yarns             |
| Jacket Material:      | PVC - Polyvinyl Chloride |
| Nom. Diameter:        | 0.320 in (8.1 mm)        |
| Outer Jacket Color:   | Yellow                   |
| Outer Jacket Ripcord: | 1                        |

### Optical Characteristics

| Wavelength                       | 1310 nm   | 1550 nm   |
|----------------------------------|-----------|-----------|
| Max. Attenuation                 | 0.4 dB/km | 0.3 dB/km |
| 10 Gigabit Ethernet Performance  | 10,000 m  | 50,000 m  |
| 40 Gigabit Ethernet Performance  | 10,000 m  | --        |
| 100 Gigabit Ethernet Performance | 10,000 m  | --        |

### Mechanical Characteristics

|  |                       |
|--|-----------------------|
| Minimum Bend Radius During Installation:   | 15x Cable OD          |
| Minimum Bend Radius During Operation:      | 10x Cable OD          |
| Max. Tensile Strength During Installation: | 660 N (150 lbf)       |
| Max. Tensile Strength During Operation:    | 200 N (45 lbf)        |
| Crush Resistance:                          | 100 N/cm              |
| Bulk Cable Weight:                         | 53 lbs/kft (79 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                                      |
| Flammability / Reaction to Fire: | NFPA 262                                    |
| NEC / UL Compliance:             | OFNP  |
| CEC / C(UL) Compliance:          | FT6   |
| ICEA Compliance:                 | S-83-596                                    |
| TIA/EIA Compliance:              | 568.3,598-D                                 |
| Telcordia Compliance:            | GR-409                                      |
| European Directive Compliance:   | EU Directive 2015/863/EU (RoHS 2 amendment) |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.4 Revision Date: 02-05-2026 |
|----------------------|--|

## Part Numbers

### Variants

| Item #    | Color  | Putup Type |
|-----------|--------|------------|
| FIBM048P8 | Yellow | Reel       |

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