



**Product:** [FI5M096A8](#) 

Indoor Mini-Distribution OM5 96 Fibers OFCP Aluminum Interlocked Armor Sub-Units 2.0mm (8F)

## Product Description

FX Indoor, Mini-Distribution, OM5, 96 Fibers, OFCP Aluminum Interlocked Armor, Sub-Units 2.0mm (8F), Lime Green 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:          | OM5       |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter:      | 250 µm    |
| Fiber Count:         | 96        |
| Fiber Color Coding:  | TIA-598-D |

### Cable Construction

|                                 |                   |
|---------------------------------|-------------------|
| Number of Active Subunits:      | 12                |
| Fibers Per Subunit:             | 8                 |
| Subunit Diameter:               | 0.078 in (2.0 mm) |
| Subunit Color:                  | Lime Green        |
| Fiber SubUnit Strength Members: | Aramid Yarns      |
| Central Strength Member Type:   | GRP               |

### Inner Jacket Specifications

|                                      |                          |
|--------------------------------------|--------------------------|
| Inner Jacket Strength Member:        | Aramid Yarns             |
| Material:                            | PVC - Polyvinyl Chloride |
| Nominal Diameter@InnerJacket1 (cnv): | 0.400 in (10.2 mm)       |
| Color:                               | Lime Green               |
| 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:      | 0.686 in (17.4 mm)       |
| Outer Jacket Color: | Lime Green               |

### Optical Characteristics

| Wavelength                      | 850 nm    | 1300 nm   |
|---------------------------------|-----------|-----------|
| Max. Attenuation                | 3.0 dB/km | 1.0 dB/km |
| 10 Gigabit Ethernet Performance | 400 m     | --        |
| 40 Gigabit Ethernet Performance | 150 m     | --        |

|  |             |            |
|--|-------------|------------|
| 100 Gigabit Ethernet Performance       | 100 m       | --         |
| Min. Effective Modal Bandwidth (EMB)   | 4700 MHz.km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz.km | 500 MHz.km |

## Mechanical Characteristics

|  |                         |
|--|-------------------------|
| Minimum Bend Radius During Installation:   | 20x 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:                          | 440 N/cm                |
| Bulk Cable Weight:                         | 160 lbs/kft (238 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:             | OFCP  |
| 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: 0.2 Revision Date: 07-09-2026 |
|----------------------|--|

## Part Numbers

### Variants

| Item #    | Color      | Putup Type |
|-----------|------------|------------|
| F15M096A8 | Lime Green | Reel       |

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