



Product: [FI5D012A9](#)

Indoor Plenum OM5 Distribution Tight Buffer 12 Fibers Aluminum Interlocked

Product Description

FX Indoor, OM5, Distribution Tight Buffer, 12 Fibers, OFCP, Aluminum Interlocked Armor, Non-Unitized, Lime Green Jacket

Technical Specifications

Product Overview

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

Fiber Specifications

|                      |                   |
|----------------------|-------------------|
| Fiber Type:          | OM5               |
| Fiber Core Diameter: | 50/125 µm         |
| Fiber Diameter:      | 250 µm            |
| Buffer Material:     | PVC Thermoplastic |
| Buffer Diameter:     | 900 µm            |
| Fiber Count:         | 12                |
| Fiber Color Coding:  | TIA-598-D         |

Inner Jacket Specifications

|                |                   |
|----------------|-------------------|
| Material:      | Thermoplastic     |
| Nom. Diameter: | 0.230 in (5.8 mm) |
| Color:         | Lime Green        |

Armor Specifications

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

Outer Jacket Specifications

|                  |                    |
|------------------|--------------------|
| Jacket Material: | Thermoplastic      |
| Nom. Diameter:   | 0.476 in (12.1 mm) |
| Color:           | Lime Green         |

Optical Characteristics

| Wavelength                             | 850 nm      | 953 nm      | 1300 nm    |
|--|-------------|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.0 dB/km   | 1.0 dB/km  |
| 10 Gigabit Ethernet Performance        | 550 m       | 1100 m      | 1100 m     |
| Min. Effective Modal Bandwidth (EMB)   | 4700 MHz.km | 2470 MHz.km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz.km | 1850 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: | 147 lbs/1000ft (219 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:                  | Environmental Product Declaration (EPD) Available  |
| Flammability / Reaction to Fire: | OFCP, UL 910, FT6  |
| NEC / UL Compliance:             | OFCP   |
| CEC / C(UL) Compliance:          | OFCP   |
| ICEA Compliance:                 | S-83-596   |
| TIA/EIA Compliance:              | ANSI/ICEA 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) |

History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.19 Revision Date: 10-15-2024 |
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