



Product: [FI5D024A9](#)

Indoor Plenum OM5 Distribution Tight Buffer 24 Fibers Aluminum Interlocked

Product Description

FX Indoor, OM5, Distribution Tight Buffer, 24 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

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| Fiber Type: | OM5 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Buffer Material: | PVC Thermoplastic |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Inner Jacket Specifications

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|----------------|-------------------|
| Material: | Thermoplastic |
| Nom. Diameter: | 0.330 in (8.4 mm) |
| Color: | Lime Green |

Armor Specifications

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

Outer Jacket Specifications

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|------------------|--------------------|
| Jacket Material: | Thermoplastic |
| Nom. Diameter: | 0.580 in (14.7 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

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|--|------------------|
| 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 |

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|--------------------|----------------------------|
| Bulk Cable Weight: | 188 lbs/1000ft (280 kg/km) |
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Temperature Range

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|---------------------------------|----------------|
| 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

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|----------------------------------|--|
| 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

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