



Product: [FI1D024AJ](#)

Indoor Plenum OM1 Distribution 24Fibers Aluminum Interlocked

Product Description

FX Indoor OM1 Distribution Tight Buffer 24 Fibers OFCP Aluminum Interlocked Armor Sub-Units(6F) Orange Jacket

Technical Specifications

Product Overview

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

Fiber Specifications

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|----------------------|--------------------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|-------------------|
| Number of Active Subunits: | 4 |
| Fibers Per Subunit: | 6 |
| Subunit Diameter: | 0.180 in (4.6 mm) |
| Subunit Color: | Orange |
| Subunit Strength Members: | Aramid yarns |
| Central Strength Member: | GRP |
| Core Wrap: | Nomex tape |

Inner Jacket Specifications

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|---------------------|--------------------------|
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.494 in (12.5 mm) |
| Color: | Orange |
| Number of Ripcords: | 1 |

Armor Specifications

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

Outer Jacket Specifications

| | |
|------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.841 in (21.4 mm) |
| Color: | Orange |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--------------------------------|-----------|------------|
| Max. Attenuation | 3.5 dB/km | 1.25 dB/km |
| 1 Gigabit Ethernet Performance | 300 m | 550 m |

| | | |
|--|------------|------------|
| 10 Gigabit Ethernet Performance | 33 m | -- |
| Min. Restricted Mode Launch | 220 MHz.km | 500 MHz.km |
| Min. Overfilled Launch (OFL) Bandwidth | 200 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: | 227 lbs/kft (338 kg/km) |

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

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | OFCP, FT6 |
| ICEA Compliance: | 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), REACH: 2020-01-16 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.89 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|--------|------------|--------------|
| F11D024AJ | Orange | Reel | 612825368267 |

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