



Product: [F1SD012F9](#) 

Indoor Riser OS2 Distribution 12 Fibers Aluminum Interlocked

Product Description

FX Indoor OS2 Distribution Tight Buffer 12 Fibers OFCR Aluminum Interlocked Armor Non-Unitized Yellow Jacket

Technical Specifications

Product Overview

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

Fiber Specifications

| | |
|------------------------|--------------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μ m |
| Fiber Buffer Material: | PVC - Polyvinyl Chloride |
| Fiber Buffer Diameter: | 900 μ m |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

Inner Jacket Specifications

| | |
|--------------------------------------|--------------------------|
| Inner Jacket Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter@InnerJacket1 (cnv): | 0.260 in (6.6 mm) |
| Color: | Yellow |
| Number of Inner Jacket 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: | 0.530 in (13.5 mm) |
| Outer Jacket Color: | Yellow |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|-------------|--------------|
| Max. Attenuation | 0.50 dB/km | 0.50 dB/km |
| Mode Field Diameter | 9.2 μ m | 10.4 μ m |
| 1 Gigabit Ethernet Performance | 5,000 m | -- |
| 10 Gigabit Ethernet Performance | 10,000 m | 50,000 m |

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: | 147 lbs/kft (219 kg/km) |

Temperature Range

| | |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range: | -20°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: | OFRC, FT4 |
| 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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.109 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|--------|------------|--------------|
| FISD012F9 | Yellow | Reel | 612825368861 |

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