



Product: [FISD144FK](#)

Indoor Riser OS2 Distribution 144 Fibers Aluminum Interlocked

Product Description

FX Indoor OS2 Distribution Tight Buffer 144 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) 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 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 144 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|-------------------|
| Number of Active Subunits: | 12 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.230 in (5.8 mm) |
| Subunit Color: | Yellow |
| Subunit Strength Members: | Aramid yarns |
| Central Strength Member: | GRP |
| Core Wrap: | Mylar |

Inner Jacket Specifications

| | |
|---------------------|--------------------------|
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter: | 1.076 in (27.3 mm) |
| Color: | Yellow |
| Number of Ripcords: | 1 |

Armor Specifications

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

Outer Jacket Specifications

| | |
|-------------------|--------------------------|
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter: | 1.490 in (37.8 mm) |
| Color: | Yellow |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|------------------|------------|------------|
| Max. Attenuation | 0.50 dB/km | 0.50 dB/km |

| | | |
|---------------------------------|----------|----------|
| Mode Field Diameter | 9.2 µm | 10.4 µm |
| 1 Gigabit Ethernet Performance | 5,000 m | -- |
| 10 Gigabit Ethernet Performance | 10,000 m | 50,000 m |

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 |
| Bulk Cable Weight: | 665 lbs/kf (990 kg/km) |

Temperature Range

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|--------------------------|----------------|
| Installation Temp Range: | -10°C to +60°C |
| Operating Temp Range: | -20°C to +70°C |
| Storage Temp Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65, Product Lens™ |
| Flammability / Reaction to Fire: | OFCR, 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: 0.88 Revision Date: 09-15-2021 |
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