



Product: [FI3D072FK](#)

Indoor Riser OM3 Distribution 72Fibers Aluminum Interlocked

Product Description

FX Indoor OM3 Distribution Tight Buffer 72 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) Aqua Jacket

Technical Specifications

Product Overview

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

Fiber Specifications

| | |
|----------------------|--------------------------|
| Fiber Type: | OM3 |
| Fiber Core Diameter: | 50/125 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 72 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|-------------------|
| Number of Active Subunits: | 6 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.230 in (5.8 mm) |
| Subunit Color: | Aqua |
| Subunit Strength Members: | Aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Mylar |

Inner Jacket Specifications

| | |
|---------------------|--------------------------|
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.799 in (20.3 mm) |
| Color: | Aqua |
| Number of Ripcords: | 1 |

Armor Specifications

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

Outer Jacket Specifications

| | |
|------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 1.196 in (30.4 mm) |
| Color: | Aqua |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--------------------------------|-----------|-----------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1000 m | 550 m |

| | | |
|--|-------------|------------|
| 10 Gigabit Ethernet Performance | 300 m | -- |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | -- |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 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 |
| Bulk Cable Weight: | 461 lbs/kft (687 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™ |
| 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

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.92 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FI3D072FK | Aqua | Reel | 612825368762 |

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