

# Product: FI4D012A9A

Indoor Plenum OM4 Distribution 12Fibers Aluminum Interlocked

## Product Description

FX Indoor OM4 Distribution Tight Buffer 12 Fibers OFCP Aluminum Interlocked Armor Non-Unitized Aqua Jacket

## Technical Specifications

### Product Overview

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

### Fiber Specifications

| | |
|---|---|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50/125 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

### Inner Jacket Specifications

| | |
|---|---|
| Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.230 in (5.8 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: | 0.480 in (12.2 mm) |
| Color: | Aqua |

**Optical Characteristics**

| Wavelength | 850 nm | 1300 nm |
|---|---|---|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1100 m | 550 m |
| 10 Gigabit Ethernet Performance | 550 m | -- |
| Min. Effective Modal Bandwidth (EMB) | 4700 MHz.km | -- |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 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: | 660 N (150 lbf) |

| | |
|---|---|
| Max. Tensile Strength During Operation: | 200 N (45 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 108 lbs/kft (161 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™ |
| 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: 0.92 Revision Date: 11-09-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FI4D012A9A | Aqua | Reel | 612825368472 |

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