



Product: [FI2D036AJ](#)

Indoor Plenum OM2 Distribution 36Fibers Aluminum Interlocked

Product Description

FX Indoor OM2 Distribution Tight Buffer 36 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

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM2                      |
| Fiber Core Diameter: | 50/125 µm                |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 36                       |
| Fiber Color Coding:  | TIA-598-D                |

Cable Construction

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

Inner Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Material:           | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.599 in (15.2 mm)       |
| Color:              | Orange                   |
| Number of Ripcords: | 1                        |

Armor Specifications

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

Outer Jacket Specifications

|                  |                          |
|------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter:   | 0.946 in (24.0 mm)       |
| Color:           | Orange                   |

Optical Characteristics

| Wavelength                     | 850 nm    | 1300 nm    |
|--------------------------------|-----------|------------|
| Max. Attenuation               | 3.5 dB/km | 1.25 dB/km |
| 1 Gigabit Ethernet Performance | 600 m     | 600 m      |

|                                        |            |            |
|----------------------------------------|------------|------------|
| 10 Gigabit Ethernet Performance        | 82 m       | --         |
| Min. Restricted Mode Launch            | 950 MHz.km | 500 MHz.km |
| Min. Overfilled Launch (OFL) Bandwidth | 700 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:                         | 312 lbs/kft (464 kg/km) |

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| 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: 0.83 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color  | Putup Type | UPC          |
|-----------|--------|------------|--------------|
| FI2D036AJ | Orange | Reel       | 612825374176 |

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