



Product: [FD3D036AJ](#)

Indoor/Outdoor Plenum OM3 Distribution 36Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor OM3 Distribution Tight Buffer 36 Fibers OFCP Aluminum Interlocked Armor Sub-Units(6F) Black Jacket

Technical Specifications

Product Overview

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| Suitable Applications: | Premise Backbone |
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Fiber Specifications

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| Fiber Type: | OM3 |
| 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

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|----------------------------|------------------------------|
| Number of Active Subunits: | 6 |
| Fibers Per Subunit: | 6 |
| Subunit Diameter: | 0.180 in (4.6 mm) |
| Subunit Color: | Aqua |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking and nomex tape |

Inner Jacket Specifications

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|---------------------|--------------------------|
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter: | 0.632 in (16.1 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

Armor Specifications

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|--------------------------|--------------------------------|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |
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Outer Jacket Specifications

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|-------------------|--------------------------|
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter: | 0.986 in (25.0 mm) |
| Color: | Black |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--------------------------------------|-------------|-----------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 10 Gigabit Ethernet Performance | 300 m | -- |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | -- |

| | | |
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| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |
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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: | 2670 N (600 lbf) |
| Max Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 303 lbs/kft (451 kg/km) |

Temperature Range

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|--------------------------|----------------|
| Installation Temp Range: | 0°C to +60°C |
| Operating Temp Range: | -40°C to +70°C |
| Storage Temp Range: | -40°C to +70°C |

Standards and Compliance

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|---------------------------------|--|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Fire Resistance: | OFCP, FT6 |
| ICEA Compliance: | S-104-696 |
| European Directive Compliance: | EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |

History

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| Update and Revision: | Revision Number: 0.68 Revision Date: 08-31-2020 |
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