



Product: [FD2D096PK](#)

Indoor/Outdoor Plenum OM2 Distribution 96Fibers

Product Description

FX Indoor/Outdoor OM2 Distribution Tight Buffer 96 Fibers OFNP Sub-Units (12F) Black 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: | 96 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|------------------------------|
| Number of Active Subunits: | 8 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.220 in (5.6 mm) |
| Subunit Color: | Orange |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking and nomex tape |
| Cable Core Waterblocking: | Waterblock Tape |

Outer Jacket Specifications

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|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.900 in (22.9 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

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

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|---------------------------------------|--------------|
| Min. Bend Radius During Installation: | 15x Cable OD |
|---------------------------------------|--------------|

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|--|-------------------------|
| 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: | 220 N/cm |
| Bulk Cable Weight: | 309 lbs/kft (460 kg/km) |

Temperature Range

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

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | OFNP, FT6 |
| ICEA Compliance: | S-104-696 |
| 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: 0.80 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FD2D096PK | Black | Reel | 612825367444 |

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