



Product: [FD1D096LK](#)

Indoor/Outdoor LSZH/Riser OM1 Distribution 96Fibers



Product Description

FX Indoor/Outdoor OM1 Distribution Tight Buffer 96 Fibers LSZH Sub-Units(12F) Black Jacket

Technical Specifications

Product Overview

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

Fiber Specifications

| | |
|----------------------|-------------------------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 μ m |
| Buffer Material: | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter: | 900 μ m |
| 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: | 0.230 in (5.8 mm) |
| Subunit Color: | Orange |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking tape |
| Cable Core Waterblocking: | Waterblocking Aramid Yarns |

Outer Jacket Specifications

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|---------------------|---|
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.977 in (24.8 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 | 300 m | 550 m |
| 10 Gigabit Ethernet Performance | 33 m | -- |
| Min. Restricted Mode Launch | 220 MHz.km | 500 MHz.km |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz.km | 500 MHz.km |

Mechanical Characteristics

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|---------------------------------------|--------------|
| Min. Bend Radius During Installation: | 15x 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: | 220 N/cm |
| Bulk Cable Weight: | 343 lbs/kft (511 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | -10°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: | OFNR, FT4 |
| 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

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.52 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | UPC |
|-----------|-------|--------------|
| FD1D096LK | Black | 612825380993 |

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