



Product: [FDSL012LG](#)

Indoor/Outdoor Riser Loose Tube OS2 12 Fibers

Product Description

FX Indoor/Outdoor Loose Tube OS2 12 Fibers LSZH/OFNR Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

| | |
|------------------------|-------------------------------|
| Suitable Applications: | Campus Area Network, Backbone |
|------------------------|-------------------------------|

Fiber Specifications

| | |
|----------------------|-----------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μm |
| Fiber Diameter: | 250 μm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|----------------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | TIA-598-D |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking tape |
| Cable Core Waterblocking: | Waterblock Tape |

Inner Jacket Specifications

| | |
|-----------|---|
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
|-----------|---|

Outer Jacket Specifications

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|---------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.454 in (11.5 mm) |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | 9.2 μm | 10.4 μm |
| 1 Gigabit Ethernet Performance | 5,000 m | - |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 m |

Mechanical Characteristics

| | |
|--|------------------------|
| 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: | 86 lbs/kft (128 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 |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFNR, FT4 |
| ICEA Compliance: | S-104-696 |
| TIA/EIA Compliance: | ANSI/ICEA S-104-696 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.67 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FDSL012LG | Black | Reel | 612825370543 |

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