



**Product:** [FDSL006LE](#) 

Indoor/Outdoor LSZH/Riser Loose Tube OS2 6 Fibers Gel Block

### Product Description

FX Indoor/Outdoor Loose Tube OS2 6 Fibers LSZH/OFNR Sub-Units(6F) 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:         | 6          |
| Fiber Color Coding:  | TIA-598-D  |

#### Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 1                          |
| Number of Fillers:         | 4                          |
| Fibers Per Subunit:        | 6                          |
| 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:   | Upjacketed GRP             |
| Core Wrap:                 | Waterblocking tape         |

#### Inner Jacket Specifications

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

#### Outer Jacket Specifications

|                     |   |
|---------------------|---|
| Strength Member:    | Waterblocking aramid yarns                      |
| Material:           | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nominal Diameter:   | 0.454 in (11.5 mm)                              |
| Color:              | Black   |
| Number of Ripcords: | 2   |

#### Optical Characteristics

| Wavelength                      | 1310 nm   | 1550 nm   |
|---------------------------------|-----------|-----------|
| Max. Attenuation                | 0.4 dB/km | 0.3 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

|                          |                |
|--------------------------|----------------|
| Installation Temp Range: | -10°C to +60°C |
| Operating Temp Range:    | -40°C to +70°C |
| Storage Temp Range:      | -40°C to +70°C |

## Standards and Compliance

|                                 |  |
|---------------------------------|--|
| Environmental Suitability:      | Indoor/Outdoor, Sunlight Resistance  |
| Sustainability:                 | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Fire Resistance: | OFNR, FT4  |
| ICEA Compliance:                | S-104-696  |
| TIA/EIA Compliance:             | ANSI/ICEA S-104-696  |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.61 Revision Date: 02-16-2021 |
|----------------------|---|

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