



**Product:** [FDSD072LK](#)

Indoor/Outdoor LSZH/Riser OS2 Distribution 72Fibers

### Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 72 Fibers LSZH Sub-Units(12F) Black Jacket

### Technical Specifications

#### Product Overview

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

#### Fiber Specifications

|                      |                               |
|----------------------|-------------------------------|
| Fiber Type:          | OS2                           |
| Fiber Core Diameter: | 8.2/125 µm                    |
| Buffer Material:     | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter:     | 900 µm                        |
| Fiber Count:         | 72                            |
| Fiber Color Coding:  | TIA-598-D                     |

#### Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 6                          |
| Fibers Per Subunit:        | 12                         |
| Subunit Diameter:          | 0.230 in (5.8 mm)          |
| Subunit Color:             | Yellow                     |
| Subunit Strength Members:  | Waterblocking aramid yarns |
| Central Strength Member:   | Upjacketed GRP             |
| Core Wrap:                 | Waterblocking tape         |
| Cable Core Waterblocking:  | Waterblocking Aramid Yarns |

#### Outer Jacket Specifications

|                     |   |
|---------------------|---|
| Jacket Material:    | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.823 in (20.9 mm)                              |
| Color:              | Black   |
| Number of Ripcords: | 1   |

#### Optical Characteristics

| Wavelength                      | 1310 nm    | 1550 nm    |
|---------------------------------|------------|------------|
| Max. Attenuation                | 0.50 dB/km | 0.50 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   | 50,000 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:                         | 228 lbs/kft (340 kg/km) |

### Temperature Range

|                                 |                |
|---------------------------------|----------------|
| 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          |
|-----------|-------|--------------|
| FDSD072LK | Black | 612825380818 |

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