# Product: FDSL144RD

Indoor/Outdoor Riser Loose Tube OS2 144F Unitized

## Product Description

FX Indoor/Outdoor Loose Tube OS2 144 Fibers OFNR Sub-Units(12F) Dry Black

## Technical Specifications

### Product Overview

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

### Fiber Specifications

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|---|---|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 144 |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

| | |
|---|---|
| Number of Active Subunits: | 12 |
| Number of Fillers: | 0 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Free |
| 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 |

### Outer Jacket Specifications

| | |
|---|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.640 in (16.3 mm) |
| Number of Ripcords: | 2 |

**Optical Characteristics**

| Wavelength | 1310 nm | 1550 nm |
|---|---|---|
| Max. Attenuation | 0.35 dB/km | 0.25 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

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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: | 158 lbs/kft (234 kg/km) |

## Temperature Range

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|---|---|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range: | -50°C to +70°C |
| Storage Temperature Range: | -50°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: 0.74 Revision Date: 11-09-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FDSL144RD | Black | Reel | 612825384496 |

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