

# Product: FD3L024RD

Indoor/Outdoor Riser Loose Tube OM3 24F Unitized

## Product Description

FX Indoor/Outdoor Loose Tube OM3 24 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: | OM3 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

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|---|---|
| Number of Active Subunits: | 2 |
| Number of Fillers: | 3 |
| 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: | 0.400 in (10.2 mm) |
| Number of Ripcords: | 2 |

#### Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|---|---|---|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1,000 m | 550 m |
| 10 Gigabit Ethernet Performance | 300 m | - |
| Min. Effective Modal Bandwidth (EMB) | 2,000 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 1,500 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: | 63 lbs/kft (93 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

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|---|---|
| Update and Revision: | Revision Number: 0.76 Revision Date: 11-09-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FD3L024RD | Black | Reel | 612825384205 |

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