Belden

# Product: FD3L012LF

Indoor/Outdoor Riser Loose Tube OM3 12 Fibers

## Product Description

FX Indoor/Outdoor Loose Tube OM3 12 Fibers LSZH/OFNR Sub-Units (6F) Gel Black

## Technical Specifications

### Product Overview

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|---|---|
| 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: | 12 |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

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|---|---|
| Number of Active Subunits: | 2 |
| Number of Fillers: | 3 |
| Fibers Per Subunit: | 6 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | TIA-598-D |
| Fiber SubUnit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member Type: | Upjacketed GRP |
| Core Wrap Material: | Waterblocking tape |
| Cable Core Water Blocking: | 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) |
| Outer Jacket Color: | Black |
| Outer Jacket Ripcord: | 2 |

### Mechanical Characteristics

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|---|---|
| Minimum Bend Radius During Installation: | 15x Cable OD |
| Minimum 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: | 84 lbs/kft (125 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

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|---|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| 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: 0.103 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FD3L012LF | Black | Reel | 612825385356 |

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