



Product: [FD3L144RD](#)

Indoor/Outdoor Riser Loose Tube OM3 144F Unitized

**Product Description**  
FX Indoor/Outdoor Loose Tube OM3 144 Fibers OFNR Sub-Units(12F) Dry Black

**Technical Specifications**

**Product Overview**

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

**Fiber Specifications**

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM3       |
| Fiber Core Diameter: | 50/125 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                             | 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**

|                                       |              |
|---------------------------------------|--------------|
| 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

|                                 |                |
|---------------------------------|----------------|
| 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: 0.76 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FD3L144RD | Black | Reel       | 612825384250 |

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