



Product: [FD4L144RG](#)

Indoor/Outdoor Riser Loose Tube OM4 144F Unitized Gel

Product Description

Indoor/Outdoor Loose Tube OM4 144 Fibers OFNR Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

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

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|----------------------|-----------|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 144 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|----------------------------|
| Number of Active Subunits: | 12 |
| Number of Fillers: | 0 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | TIA-598-D |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking tape |
| Cable Core Waterblocking: | Gel Filled |

Outer Jacket Specifications

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|---------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.701 in (17.8 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 | 1,100 m | 550 m |
| 10 Gigabit Ethernet Performance | 550 m | - |
| Min. Effective Modal Bandwidth (EMB) | 4,700 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 3,500 MHz.km | 500 MHz.km |

Mechanical Characteristics

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|---------------------------------------|--------------|
| Min. Bend Radius During Installation: | 15x Cable OD |
|---------------------------------------|--------------|

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|--|-------------------------|
| 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: | 176 lbs/kft (262 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

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

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.58 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | UPC |
|-----------|-------|--------------|
| FD4L144RG | Black | 612825372479 |

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