



Product: [FD1T072RG](#)

Indoor/Outdoor Riser Tray Optic PVC OM1 72 Fibers

Product Description

FX Indoor/Outdoor Tray Optic PVC OM1 72 Fibers OFNR Sub-units(12F) Gel Orange Jacket

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Construction Type: | TrayOptic |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | Harsh Environment, Outdoor/Indoor, Wet Location, Direct Burial |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM1 | 72 |

| | |
|---------------------|---|
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |
|---------------------|---|

Buffer Specification

| Buffer Material |
|-----------------|
| PBT |

| | |
|----------------------------|--------------------|
| Central Strength Member: | Upjacketed GRP |
| Cable Core Water Blocking: | Waterblocking Tape |
| Bulk Cable Weight: | 128 lbs/1000ft |

SubUnit Specifications

| | |
|------------------------------|-------------------|
| Number of Active Subunits: | 6 |
| Number of Subunit Positions: | 6 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.075 in (1.9 mm) |
| Subunit Waterblocking: | Gel |

Physical Specifications

| | |
|----------------------------|------------|
| Buffer Tube Waterblocking: | Gel Filled |
|----------------------------|------------|

Jacket Specifications

| | |
|--------------------|---------------|
| Number of Jackets: | Double Jacket |
|--------------------|---------------|

Inner Jacket

| | |
|---------------------|--------------------------|
| Number of Ripcords: | 2 |
| Color: | Black |
| Nominal Diameter: | 0.405 in |
| Material: | PVC - Polyvinyl Chloride |

Outer Jacket

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.540 in (13.7 mm) |

| | |
|---------------------|--------|
| Color: | Orange |
| Number of Ripcords: | 2 |

Optical Characteristics

| | |
|--|-------------------------|
| Effective Modal Bandwidth (EMB): | 220 MHz-km / 500 MHz-km |
| Fiber Core Diameter: | 62.5/125µm |
| Max Attenuation at 1300 nm: | 1.0 dB/km |
| Max Attenuation at 850 nm: | 3.25 dB/km |
| Wavelength: | 850 nm / 1300 nm |
| 10 Gigabit Ethernet Performance: | 33 m / 300 m |
| 1 Gigabit Ethernet Performance: | 275 m / 550 m |
| Min Overfilled Launch (OFL) Bandwidth: | 200 MHz-km / 500 MHz-km |

Mechanical Characteristics

Mechanical Tests

| Description | Requirement/Value |
|---|-------------------|
| Cable Min. Bend Radius Installation (Short Term) | 20x Cable OD |
| Cable Min. Bend Radius Operation (Long Term) | 10x Cable OD |
| Cable Max. Tensile Strength Installation (Short Term) | 135 N (600 lbf) |
| Cable Max. Tensile Strength Operation (Long Term) | 40 N (180 lbf) |

Temperature Range

| | |
|--------------------------|--------------|
| Operating Temp Range: | -40C to +70C |
| Installation Temp Range: | -20C to +60C |
| Storage Temp Range: | -40C to +70C |

Standards

| | |
|--------------------------|---------------------|
| UL Rating/Flame Test: | Riser |
| CEC/C(UL) Compliance: | FT4 |
| NEC/(UL) Compliance: | OFNR |
| TIA/EIA Compliance: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |
| UV/ Sunlight Protection: | Yes |

Part Number

Variants

| Item # | Color |
|-----------|--------|
| FD1T072RG | Orange |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.72 Revision Date: 04-28-2020 |
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