



Product: [FD3H0365G](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OM3 36 Fibers

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM3 36 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Multi Loose Tube |
| Print Legend: | BELDEN 36xOM3 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FD3H0365G E95466(-PLANT ID) (UL) TYPE OFNR C(UL) ---FT4--- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL) |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | Indoor/Outdoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM3 | 36 |

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

Buffer Specification

| Buffer Material |
|-------------------------|
| Loose tube - Gel-filled |

| | |
|----------------------------|--------------------|
| Central Strength Member: | GRP |
| Cable Core Water Blocking: | Waterblocking Tape |
| Bulk Cable Weight: | 17 lbs/1000ft |
| Weight: | 107 kg |

SubUnit Specifications

| | |
|------------------------------|-------------------|
| Number of Active Subunits: | 3 |
| Number of Subunit Positions: | 5 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Waterblocking: | Gel Filled |

Jacket Specifications

| | |
|--------------------|-----------------------|
| Number of Jackets: | Double Jacket |
| Type of Armor: | Corrugated Steel Tape |

Inner Jacket

| | |
|---------------------|--------------------------|
| Number of Ripcords: | 2 |
| Color: | Black |
| Material: | PVC - Polyvinyl Chloride |

Outer Jacket

Outer Jacket Material

| Material | Nominal Diameter |
|---------------------|------------------|
| Thermoplastic | 0.63 in (16 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |
| Nominal Diameter: | .51 (12.9) |

Optical Characteristics

| | |
|--|--------------------------|
| Effective Modal Bandwidth (EMB): | 2000 MHz-km / 500 MHz-km |
| Fiber Core Diameter: | 50/125µm |
| Max Attenuation at 1300 nm: | 1.0 dB/km |
| Max Attenuation at 850 nm: | 3.0 dB/km |
| Wavelength: | 850 nm / 1300 nm |
| 10 Gigabit Ethernet Performance: | 300 m / 300 m |
| 1 Gigabit Ethernet Performance: | - / 550 m |
| Min Overfilled Launch (OFL) Bandwidth: | 1500 MHz-km / 500 MHz-km |

Mechanical Characteristics

| | |
|-------------------|-----|
| Crush Resistance: | 440 |
|-------------------|-----|

Mechanical Tests

| Description | Requirement/Value |
|---|-------------------|
| Cable Min. Bend Radius Installation (Short Term) | 20x Cable OD |
| Cable Min. Bend Radius Operation (Long Term) | 15x Cable OD |
| Cable Max. Tensile Strength Installation (Short Term) | 135 N (600 lbf) |
| Cable Max. Tensile Strength Operation (Long Term) | 40 N (180 lbf) |
| Cable Impact Resistance | 2.9 N/cm |

Temperature Range

| | |
|--------------------------|--------------|
| Operating Temp Range: | -40C to +70C |
| Installation Temp Range: | -30C to +60C |
| Storage Temp Range: | -40C to +80C |

Standards

| | |
|-----------------------|---------------------|
| UL Rating/Flame Test: | Riser |
| UL Flammability: | OFCR |
| C (UL) US: | FT4 |
| TIA/EIA Compliance: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |

Part Number

Variants

| Item # | Color | UPC |
|-----------|-------|--------------|
| FD3H0365G | Black | 612825373766 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.122 Revision Date: 06-01-2020 |
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