



Part Number: FD3H0125G

Indoor/Outdoor Riser Heavy Duty Loose Tube OM3 12F Armor Unitized

Product Description

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

Technical Specifications

Product Overview

| | |
|------------------------|-----------------------------|
| Part Number: | FD3H0125G |
| Construction Type: | Heavy Duty Multi Loose Tube |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | Indoor/Outdoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM3 | 12 |

| | |
|---------------------|---|
| Fiber Type: | OM3 |
| Fiber Count: | 12 |
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |

Buffer Specification

| Fiber Type | Buffer Material |
|------------|-------------------------|
| OM3 | 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: | 1 |
| 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 |
| Number of Inner Jacket Ripcords: | 2 |
| Color@InnerJacket1: | Black |
| Material@InnerJacket1: | PVC |

Outer Jacket Material

| Material | Nominal Diameter |
|----------|------------------|
|----------|------------------|

| | |
|----------------------------------|-----------------|
| Thermoplastic | 0.63 in (16 mm) |
| Outer Jacket Color: | Black |
| Number of Outer Jacket Ripcords: | 2 |
| OuterJacket1, 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

| | |
|---|----------------|
| Min Bend Radius During Installation: | 20x Cable OD |
| Min Bend Radius During Operation: | 15x Cable OD |
| Max Tensile Strength During Installation: | 67 N (300 lbf) |
| Max Tensile Strength During Operation: | 22 N (100 lbf) |
| Crush Resistance: | 440 |
| 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 |
| NEC/(UL) Specification: | N/A |
| C (UL) US: | FT4 |
| Telecommunications Standards: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |

History

Variants

| Item # | Color |
|-----------|-------|
| FD3H0125G | Black |

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