



Product: [FD1H0185E](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OM1 18 Fibers

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM1 18 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (6F) Gel Black

Technical Specifications

Product Overview

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

Fiber Specifications

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|----------------------|------------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 μ m |
| Fiber Diameter: | 250 μ m |
| Fiber Count: | 18 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|--------------------|
| Number of Active Subunits: | 3 |
| Number of Fillers: | 2 |
| Fibers Per Subunit: | 6 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking tape |
| Cable Core Waterblocking: | Waterblock Tape |

Inner Jacket Specifications

| | |
|---------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.394 in (10.0 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Armor Specifications

| | |
|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
|--------------------------|-----------------------------|

Outer Jacket Specifications

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|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.630 in (16.0 mm) |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--------------------------------|------------|-----------|
| Max. Attenuation | 3.25 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 300 m | 550 m |

| | | |
|--|------------|------------|
| 10 Gigabit Ethernet Performance | 33 m | - |
| Min. Restricted Mode Launch | 220 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz.km | 500 MHz.km |

Mechanical Characteristics

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|--|------------------|
| Min. Bend Radius During Installation: | 20x 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: | 440 N/cm |
| Bulk Cable Weight: | 169 |

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 |
| Flammability / Reaction to Fire: | OFCC, FT4 |
| ICEA Compliance: | S-104-696 |
| TIA/EIA Compliance: | ANSI/ICEA S-104-696 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.86 Revision Date: 11-09-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FD1H0185F | Black | Reel | 612825387787 |

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