



Product: [FS2H0066F](#) 

Outdoor Heavy Duty Loose Tube OM2 6 Fibers

Product Description

FX Outdoor Heavy Duty Loose Tube OM2 6 Fibers OSP Corrugated Steel Tape Armor Sub-Units (6F) Gel Black

Technical Specifications

| | |
|--------------------|------------------|
| Part Number: | FS2H0066F |
| Construction Type: | Multi Loose Tube |

Product Overview

| | |
|------------------------|--|
| Print Legend: | BELDEN 6XOM2 OUTDOORARMORED LOOSE TUBE CABLE FS2H0066F(-PLANT ID) (UL) TYPE OFN C(UL) OFN---ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL) |
| Environmental Space: | Outdoor |
| Suitable Applications: | Outdoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM2 | 6 |

| | |
|---------------------|---|
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White |
|---------------------|---|

Buffer Specification

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

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

SubUnit Specifications

| | |
|------------------------------|-------------------|
| Number of Active Subunits: | 1 |
| Number of Subunit Positions: | 6 |
| Fibers Per Subunit: | 6 |
| SubUnit Diameter: | 0.078 in (2.0 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: | PE - Polyethylene |

Outer Jacket

Outer Jacket Material

| Material | Nominal Diameter |
|---------------|-------------------|
| Thermoplastic | 0.53 in (13.5 mm) |

| | |
|---------------------|-----------|
| Color: | Black |
| Number of Ripcords: | 2 |
| Nominal Diameter: | .59 (15.) |

Optical Characteristics

| | |
|--|-------------------------|
| Effective Modal Bandwidth (EMB): | 950 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: | 150 m / 300 m |
| 1 Gigabit Ethernet Performance: | 550 m / 550 m |
| Min Overfilled Launch (OFL) Bandwidth: | 700 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 | 4.4 N/cm |

Temperature Range

| | |
|--------------------------|--------------|
| Operating Temp Range: | -40C to +70C |
| Installation Temp Range: | -30C to +60C |
| Storage Temp Range: | -40C to +75C |

Standards

| | |
|-----------------------|--------------------|
| UL Rating/Flame Test: | OSP |
| TIA/EIA Compliance: | ANSI/ICEA S-87-640 |
| RoHS: | Yes |

History

Variants

| Item # | Color | UPC |
|-----------|-------|--------------|
| FS2H0066F | Black | 612825370673 |

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.72 Revision Date: 06-01-2020 |
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