



Product: [FS1C01260](#)

OUTDOOR CENTRAL LOOSE TUBE OM1 12 FIBERS OSP CORRUGATED STEEL TAPE ARMOR

Product Description

FX OUTDOOR CENTRAL LOOSE TUBE OM1 12 FIBERS OSP CORRUGATED STEEL TAPE ARMOR NON-UNITIZED BLACK

Technical Specifications

Product Overview

| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Product Category: | Steel Armored Central Loose Tube |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Outdoor & Wet Locations, Direct Burial, Rodent Proof |

Fiber Specifications

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|----------------------|-------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|--------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 0 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.150 in (3.8 mm) |
| Subunit Color: | Blue |
| Subunit Strength Members: | Aramid Yarns |
| Core Wrap: | Waterblocking tape |
| Cable Core Waterblocking: | Gel Filled |

Armor Specifications

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

Outer Jacket Specifications

| | |
|---------------------|--------------------|
| Strength Member: | Fiberglass Yarns |
| Jacket Material: | PE - Polyethylene |
| Nom. Diameter: | 0.410 in (10.4 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

Optical Characteristics

| Wavelength | 850 nm | 953 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

| | |
|--------------------------------------------|------------------------|
| 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: | 69 lbs/kft (103 kg/km) |

Temperature Range

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

Standards and Compliance

| | |
|----------------------------|--------------------|
| Environmental Suitability: | Outdoor, Burial |
| Sustainability: | CA Prop 65 |
| ICEA Compliance: | S-87-640 |
| TIA/EIA Compliance: | ANSI/ICEA S-87-640 |

History

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|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.210 Revision Date: 04-01-2024 |
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