



Product: [FSSC00260](#)

OUTDOOR CENTRAL LOOSE TUBE OS2 2 FIBERS OSP CORRUGATED STEEL TAPE ARMOR



Product Description

FX OUTDOOR CENTRAL LOOSE TUBE OS2 2 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: | OS2 |
| Fiber Core Diameter: | 8.2/125 μ m |
| Fiber Diameter: | 250 μ m |
| Fiber Count: | 2 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|--------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 0 |
| Fibers Per Subunit: | 2 |
| 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

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|---------------------|--------------------|
| 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 | 953 nm | 1310 nm | 1550 nm |
|---------------------------------|--------|-------------|--------------|
| Max. Attenuation | | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | | 9.2 μ m | 10.4 μ m |
| 1 Gigabit Ethernet Performance | - | 5000 m | - |
| 10 Gigabit Ethernet Performance | | 10,000 m | 40,000 m |

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: | 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: 0.87 Revision Date: 04-01-2024 |
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