



Product: [FDSH0185F](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OS2 18F Armor Unitized

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 18 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(6F) Gel Black

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Heavy Duty Multi Loose Tube |
| Print Legend: | BELDEN 18xOS2 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FDSH0185F E95466(-PLANT ID) (UL) TYPE OFNR C(UL) ---FT4--- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL) |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | Indoor/Outdoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OS2 | 18 |

| | |
|---------------------|-----------|
| Fiber Color Coding: | TIA-598-D |
|---------------------|-----------|

Buffer Specification

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

| | |
|---------------------------|-----------------|
| Central Strength Member: | GRP |
| Cable Core Waterblocking: | Waterblock Tape |
| Bulk Cable Weight: | 150 lbs/1000ft |
| Weight: | 150 kg |

SubUnit Specifications

| | |
|------------------------------|-------------------|
| Number of Subunit Positions: | 6 |
| Fibers Per Subunit: | 6 |
| 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 |

Inner Jacket

| | |
|---------------------|--------------------------|
| Number of Ripcords: | 2 |
| Color: | Black |
| Material: | PVC - Polyvinyl Chloride |

Outer Jacket Specifications

Outer Jacket

| Material | Nominal Diameter |
|---------------|------------------|
| Thermoplastic | 0.63 in (16 mm) |

Number of Ripcords: 2

Optical Characteristics

| | |
|----------------------------------|---------------------|
| Fiber Core Diameter: | 8.2/125µm |
| Max. Attenuation at 1310 nm: | 0.40 dB/km |
| Max. Attenuation at 1550 nm: | 0.30 dB/km |
| Wavelength: | 1310 nm / 1550 nm |
| 10 Gigabit Ethernet Performance: | 10,000 m / 40,000 m |
| 1 Gigabit Ethernet Performance: | 5,000 m / - |

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 Impact Resistance | 2.9 N/cm |

Standards

| | |
|-----------------------|---------------------|
| UL Rating/Flame Test: | Riser |
| UL Flammability: | OFCR |
| C (UL) US: | FT4 |
| TIA/EIA Compliance: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | UPC |
|-----------|-------|-------------|--------------|
| FDSH0185F | Black | Reel | 612825387473 |

History

Update and Revision: Revision Number: 0.75 Revision Date: 12-18-2024

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