



Product: [FS4H0246G](#)

Heavy Duty Loose Tube OM4 24F OSP Armor Unitized

Product Description

Outdoor Heavy Duty Loose Tube OM4 24 Fibers OSP Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

| | |
|----------------------|---|
| Construction Type: | Heavy Duty Multi Loose Tube |
| Print Legend: | BELDEN 24XOM4-BIF OUTDOOR ARMORED LOOSE TUBE CABLE FS4H0246G --- ROHS (LOT LENGTH MARKING) (MMYYYY DATE CODE) (SEQUENTIAL LENGTH MARKING) |
| Environmental Space: | Outdoor |

Construction

Fiber Cable Construction

| | |
|---------------------------|-----------------|
| Fiber Count | |
| 24 | |
| Central Strength Member: | GRP |
| Cable Core Waterblocking: | Waterblock Tape |

SubUnit Specifications

| | |
|------------------------------|-------------------|
| Number of Active Subunits: | 2 |
| Number of Subunit Positions: | 5 |
| Fibers Per Subunit: | 12 |
| 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: | PE - Polyethylene |

Outer Jacket Specifications

Outer Jacket

| | |
|-------------------------|---|
| Nominal Diameter | |
| 0.61 in (15.5 mm) | |
| Number of Ripcords: | 2 |

Optical Characteristics

| | |
|----------------------------------|--------------------------|
| Effective Modal Bandwidth (EMB): | 4700 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: | 550 m / 300 m |
| 1 Gigabit Ethernet Performance: | - / 550 m |
| Min. Overfilled Launch (OFL) Bandwidth: | 3500 MHz-km /550 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 Impact Resistance | 4.4 N/cm |

Standards

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

Related Part Numbers

Variants

| Item # | Color | UPC |
|-----------|-------|--------------|
| FS4H0246G | Black | 612825371656 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.67 Revision Date: 05-31-2024 |
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