



Product: [FS4H0126G](#)

Heavy Duty Loose Tube OM4 12F OSP Armor Unitized

Product Description

Outdoor Heavy Duty Loose Tube OM4 12 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 12XOM4-BIF OUTDOOR ARMORED LOOSE TUBE CABLE FS4H0126G --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL NUMBER) |
| Environmental Space: | Outdoor                                                                                                                   |

Construction

Fiber Cable Construction

|                            |                    |
|----------------------------|--------------------|
| Fiber Count                |                    |
| 12                         |                    |
| Central Strength Member:   | GRP                |
| Cable Core Water Blocking: | Waterblocking Tape |

SubUnit Specifications

|                              |                   |
|------------------------------|-------------------|
| Number of Active Subunits:   | 1                 |
| 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

Outer Jacket Material

|                     |   |
|---------------------|---|
| 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                |

Part Number

Variants

| Item #    | Color | UPC          |
|-----------|-------|--------------|
| FS4H0126G | Black | 612825372158 |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.58 Revision Date: 03-16-2021 |
|----------------------|-------------------------------------------------|

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