



Product: [FS3L0486G](#)

Loose Tube OM3 48F OSP Steel Armor Unitized Gel

Product Description

FX Outdoor Loose Tube OM3 48 Fibers OSP Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

| | |
|------------------------|------------------------------------------|
| Suitable Applications: | Campus Area Network, Long Haul, Backbone |
|------------------------|------------------------------------------|

Fiber Specifications

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|----------------------|-----------|
| Fiber Type: | OM3 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 48 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|-------------------|
| Number of Active Subunits: | 4 |
| Number of Fillers: | 1 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.098 in (2.5 mm) |
| Central Strength Member: | GRP |
| Core Wrap: | Nomex tape |
| Cable Core Waterblocking: | Waterblock Tape |

Inner Jacket Specifications

| | |
|---------------------|--------------------------|
| Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.370 in (9.4 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Armor Specifications

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

Outer Jacket Specifications

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|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.610 in (15.5 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|------------|--------|---------|
|------------|--------|---------|

| | | |
|----------------------------------------|-------------|------------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1,000 m | 550 m |
| 10 Gigabit Ethernet Performance | 300 m | - |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |

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: | 120 |

Temperature Range

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

Standards and Compliance

| | |
|----------------------------|--------------------|
| Environmental Suitability: | Outdoor |
| 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: 0.86 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FS3L0486G | Black | Reel | 612825383888 |

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