



**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**

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

**Cable Construction**

|                            |                   |
|----------------------------|-------------------|
| 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**

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

**Outer Jacket Specifications**

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

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

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

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