



Product: [FS1L0066F](#) 

Loose Tube OM1 6F OSP Steel Armor Unitized Gel

**Product Description**  
FX Outdoor Loose Tube OM1 6 Fibers OSP Corrugated Steel Tape Armor Sub-Units(6F) Gel Black

**Technical Specifications**

**Product Overview**

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

**Fiber Specifications**

|                      |             |
|----------------------|-------------|
| Fiber Type:          | OM1         |
| Fiber Core Diameter: | 62.5/125 µm |
| Fiber Diameter:      | 250 µm      |
| Fiber Count:         | 6           |
| Fiber Color Coding:  | TIA-598-D   |

**Cable Construction**

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 1                 |
| Number of Fillers:         | 4                 |
| Fibers Per Subunit:        | 6                 |
| Subunit Waterblocking:     | Gel Filled        |
| Subunit Diameter:          | 0.078 in (2.0 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:      | 0.324 in (8.2 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:      | 0.530 in (13.5 mm)       |
| Color:              | Black                    |
| Number of Ripcords: | 2                        |

**Optical Characteristics**

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

|                                        |            |            |
|----------------------------------------|------------|------------|
| Max. Attenuation                       | 3.25 dB/km | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 300 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 33 m       | -          |
| Min. Restricted Mode Launch            | 220 MHz.km | -          |
| Min. Overfilled Launch (OFL) Bandwidth | 200 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:                         | 101              |

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: 0.84 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FS1L0066F | Black | Reel       | 612825383185 |

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