



Product: [FSSL0966G](#)

Loose Tube OS2 96F OSP Steel Armor Unitized Gel

Product Description

FX Outdoor Loose Tube OS2 96 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: | OS2 |
| Fiber Core Diameter: | 8.2/125 μm |
| Fiber Diameter: | 250 μm |
| Fiber Count: | 96 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|-------------------|
| Number of Active Subunits: | 8 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.098 in (2.5 mm) |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Nomex tape |
| Cable Core Waterblocking: | Waterblock Tape |

Inner Jacket Specifications

| | |
|---------------------|--------------------------|
| Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.445 in (11.3 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Armor Specifications

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

Outer Jacket Specifications

| | |
|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.690 in (17.5 mm) |
| Color: | Black |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------|-------------------|--------------------|
| Max. Attenuation | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | 9.2 μm | 10.4 μm |

| | | |
|---------------------------------|----------|----------|
| 1 Gigabit Ethernet Performance | 5,000 m | - |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 m |

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: | 151 |

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

| | |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.86 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FSSL0966G | Black | Reel | 612825384069 |

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