



Product: [FS2H024NG](#)

Outdoor Heavy Duty Loose Tube OM2 24 Fibers

Product Description

FX Outdoor Heavy Duty Loose Tube OM2 24 Fibers OSP Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Outdoor, Campus Area Network, Backbone |
|------------------------|--|

Fiber Specifications

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|----------------------|-----------|
| Fiber Type: | OM2 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|--------------------|
| Number of Active Subunits: | 2 |
| Number of Fillers: | 3 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.098 in (2.5 mm) |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking Tape |
| Cable Core Waterblocking: | Waterblock Tape |

Inner Jacket Specifications

| | |
|---------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | PE - Polyethylene |
| Color: | Black |
| Number of Ripcords: | 1 |

Outer Jacket Specifications

| | |
|---------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PE - Polyethylene |
| Nom. Diameter: | 0.505 in (12.8 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|---------------------------------|-----------|-----------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 600 m | 600 m |
| 10 Gigabit Ethernet Performance | 82 m | -- |

| | | |
|--|------------|------------|
| Min. Restricted Mode Launch | 950 MHz-km | 500 MHz-km |
| Min. Overfilled Launch (OFL) Bandwidth | 700 MHz-km | 500 MHz-km |

Mechanical Characteristics

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|--|------------------------|
| Min. Bend Radius During Installation: | 15x 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: | 220 N/cm |
| Bulk Cable Weight: | 67 lbs/kft (100 kg/km) |

Temperature Range

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|---------------------------------|--------------|
| Installation Temperature Range: | -30C to +70C |
| Operating Temperature Range: | -40C to +70C |
| Storage Temperature Range: | -40C to +75C |

Standards and Compliance

| | |
|----------------------------|--------------------|
| Environmental Suitability: | Outdoor, Burial |
| 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: 0.83 Revision Date: 10-15-2024 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|-------|------------|--------------|
| FS2H024NG | Black | Reel | 612825370802 |

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