



**Product:** [FS2H144NG](#)

Outdoor Heavy Duty Loose Tube OM2 144 Fibers

**Product Description**  
FX Outdoor Heavy Duty Loose Tube OM2 144 Fibers OSP Sub-Units (12F) Gel Black

**Technical Specifications**

**Product Overview**

Suitable Applications:	Campus Area Network, Long Haul, Backbone
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**Fiber Specifications**

Fiber Type:	OM2
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

**Cable Construction**

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.098 in (2.5 mm)
Central Strength Member:	Upjacketed 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:	0.742 in (18.8 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

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:	141 lbs/kft (210 kg/km)

Temperature Range

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, Product Lens™, Environmental Product Declaration (EPD) Available
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

History

Update and Revision:	Revision Number: 0.83 Revision Date: 11-09-2022
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FS2H144NG	Black	Reel	612825376231

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