



Product: [FS4L048NG](#)

Loose Tube OM4 48F OSP Unitized Gel

### Product Description

Outdoor Loose Tube OM4 48 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:	OM4
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:	Waterblocking Tape
Cable Core Waterblocking:	Gel Filled

#### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.410 in (10.4 mm)
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	1100	550
10 Gigabit Ethernet Performance	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz-km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 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:	47 lbs/kft (70 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

## History

Update and Revision:	Revision Number: 0.54 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	UPC
FS4L048NG	Black	612825371717

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