



Product: [FS4H048NG](#)

Heavy Duty Loose Tube OM4 48F OSP Unitized Gel

Product Description

Outdoor Heavy Duty Loose Tube OM4 48 Fibers OSP Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 48XOM4-BIF OUTDOOR LOOSE TUBE CABLE FS4H048NG --- ROHS (LOT LENGTH MARKING) (MMYYYY DATE CODE) (SEQUENTIAL LENGTH MARKING)
Environmental Space:	Outdoor

Construction

Fiber Cable Construction

Fiber Count	
48	
Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape

SubUnit Specifications

Number of Active Subunits:	4
Number of Subunit Positions:	5
Fibers Per Subunit:	12
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
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Inner Jacket

Number of Ripcords:	2
Color:	Black
Material:	PE - Polyethylene

Outer Jacket

Outer Jacket Material

Nominal Diameter	
0.51 in (13 mm)	
Number of Ripcords:	2

Optical Characteristics

Effective Modal Bandwidth (EMB):	4700 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125µm

Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.0 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	550 m / 300 m
1 Gigabit Ethernet Performance:	- / 550 m
Min Overfilled Launch (OFL) Bandwidth:	3500 MHz-km /550 Mhz-km

Mechanical Characteristics

Crush Resistance:	220
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Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD
Cable Impact Resistance	4.4 N/cm

Standards

UL Rating/Flame Test:	OSP
TIA/EIA Compliance:	ANSI/ICEA S-87-640
RoHS:	Yes

Part Number

Variants

Item #	Color	UPC
FS4H048NG	Black	612825372202

History

Update and Revision:	Revision Number: 0.56 Revision Date: 03-16-2021
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