



**Product:** [FS4H002NF](#)

Heavy Duty Loose Tube OM4 2F OSPUnitized Gel

### Product Description

Outdoor Heavy Duty Loose Tube OM4 2 Fibers OSP Sub-Units(6F) Gel Black

### Technical Specifications

#### Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 2XOM4-BIF OUTDOOR LOOSE TUBE CABLE FS4H002NG --- ROHS (LOT LENGTH MARKING) (MMYYYY DATE CODE) (SEQUENTIAL LENGTH MARKING)
Environmental Space:	Outdoor

#### Construction

##### Fiber Cable Construction

<b>Fiber Count</b>	
	2
Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblock Tape

#### SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	6
Fibers Per Subunit:	2
Subunit Diameter:	0.078 in (2.0 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 Specifications

##### Outer Jacket

<b>Nominal Diameter</b>	
	0.46 in (11.7 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

## Related Part Numbers

### Variants

Item #	Color	UPC
FS4H002NF	Black	612825372516

## History

Update and Revision:	Revision Number: 0.58 Revision Date: 04-08-2022
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