



**Product:** [FD1L006LF](#)

Indoor/Outdoor Riser Loose Tube OM1 6 Fibers

**Product Description**

FX Indoor/Outdoor Loose Tube OM1 6 Fibers LSZH/OFNR Sub-Units (6F) Gel Black

**Technical Specifications**

**Product Overview**

Construction Type:	Multi Loose Tube
Print Legend:	BELDEN 6XOM1 IN/OUTDOOR LOOSE TUBE CABLE FD1L006LF E95466(-PLANT ID) (UL) TYPE OFNR C(UL) ---FT4--- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor/Outdoor

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM1	6

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White
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**Buffer Specification**

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	92 lbs/1000ft
Weight:	107 kg

**SubUnit Specifications**

Number of Active Subunits:	1
Number of Subunit Positions:	6
Fibers Per Subunit:	6
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**

Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
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**Outer Jacket**

**Outer Jacket Material**

Material	Nominal Diameter
Thermoplastic	0.32 in (8.1 mm)

Color:	Black
Number of Ripcords:	2
Nominal Diameter:	.48 (12)

## Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.25 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 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 Max. Tensile Strength Installation (Short Term)	67 N (300 lbf)
Cable Max. Tensile Strength Operation (Long Term)	22 N (100 lbf)
Cable Impact Resistance	2.9 N/cm

## Temperature Range

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

## Standards

UL Rating/Flame Test:	Riser
UL Flammability:	OFNR
C (UL) US:	FT4
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes

## Part Number

### Variants

Item #	Color	UPC
FD1L006LF	Black	612825385240

## History

Update and Revision:	Revision Number: 0.83 Revision Date: 05-14-2020
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