



**Product:** [FD1H0485G](#) 

Indoor/Outdoor Riser Heavy Duty Loose Tube OM1 48 Fibers

### Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM1 48 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

### Technical Specifications

Part Number:	FD1H0485G
Construction Type:	Multi Loose Tube

### Product Overview

Print Legend:	BELDEN 48xOM1 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FD1H0485G 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	48

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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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:	17 lbs/1000ft
Weight:	107 kg

### 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:	Double Jacket
Type of Armor:	Corrugated Steel Tape

### Inner Jacket

Number of Ripcords:	2
Color:	Black
Material:	PVC - Polyvinyl Chloride

## Outer Jacket

### Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.63 in (16 mm)
Color:	Black
Number of Ripcords:	2
Nominal Diameter:	.51 (12.9)

### 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:	440
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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)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	40 N (180 lbf)
Cable Impact Resistance	2.9 N/cm

### Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +60C
Storage Temp Range:	-40C to +80C

### Standards

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

### History

#### Variants

Item #	Color	UPC
FD1H0485G	Black	612825373704
Update and Revision:	Revision Number: 0.124 Revision Date: 06-01-2020	

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