



**Part Number:** FD3H0965G

Indoor/Outdoor Riser Heavy Duty Loose Tube OM3 96 Fibers

**Product Description**

FX Indoor/Outdoor Heavy Duty Loose Tube OM3 96 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

**Technical Specifications**

Part Number:	FD3H0965G
Construction Type:	Multi Loose Tube

**Product Overview**

Print Legend:	BELDEN 96xOM3 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FD3H0965G 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
OM3	96

Fiber Type:	OM3
Fiber Count:	96
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

**Buffer Specification**

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	159 lbs/1000ft
Weight:	159 kg

**SubUnit Specifications**

Number of Active Subunits:	8
Number of Subunit Positions:	5
Fibers Per Subunit:	12
SubUnit Diameter:	0.110 in (2.8 mm)
SubUnit Waterblocking:	Gel Filled

**Physical Specifications**

Fiber Buffer Material:	Loose tube - Gel-filled
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**Jacket Specifications**

Number of Jackets:	Double Jacket
Type of Armor:	Corrugated Steel Tape
Number of Inner Jacket Ripcords:	2

Color@InnerJacket1:	Black
Material@InnerJacket1:	PVC

#### Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.70 in (17.8 mm)
Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	2
OuterJacket1, Nominal Diameter:	.61 (15.5)

#### Optical Characteristics

Effective Modal Bandwidth (EMB):	2000 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:	300 m / 300 m
1 Gigabit Ethernet Performance:	- / 550 m
Min Overfilled Launch (OFL) Bandwidth:	1500 MHz-km / 500 MHz-km

#### Mechanical Characteristics

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	15x Cable OD
Max Tensile Strength During Installation:	135 N (600 lbf)
Max Tensile Strength During Operation:	40 N (180 lbf)
Crush Resistance:	440
Impact Resistance:	2.9 N/cm

#### Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Operation (Long Term)		20x Cable OD	
Cable Min. Bend Radius Installation (Short Term)		15x Cable OD	
Cable Max. Tensile Strength Operation (Long Term)		135 N (600 lbf)	
Cable Max. Tensile Strength Installation (Short 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
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

#### History

#### Variants

Item #	Color	UPC
FD3H0965G	Black	612825373797

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