



**Product:** [FDSH0245G](#) 

Indoor/Outdoor Riser Heavy Duty LooseTube OS2 24F Armor Unitized12

**Product Description**

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 24 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

**Technical Specifications**

**Product Overview**

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 24xOS2 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FDSH0245G 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
OS2	24

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:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	17 lbs/1000ft
Weight:	107 kg

**SubUnit Specifications**

Number of Active Subunits:	2
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

Fiber Core Diameter:	8.2/125µm
Max Attenuation at 1310 nm:	0.4 dB/km
Max Attenuation at 1550 nm:	0.3 dB/km
Wavelength:	1310 nm / 1550 nm
10 Gigabit Ethernet Performance:	10,000 m / 40,000 m
1 Gigabit Ethernet Performance:	5,000 m / -

## 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
NEC/(UL) Compliance:	N/A
C (UL) US:	FT4
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes

## Part Number

### Variants

Item #	Color	UPC
FDSH0245G	Black	612825374046

## History

Update and Revision:	Revision Number: 0.68 Revision Date: 02-16-2021
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