



Product: [FDSH1445G](#) 

Indoor/Outdoor Riser Heavy Duty Loose Tube OS2 144F Armor Unitized

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 144 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 144xOS2 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FDSH1445G 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	144

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:	243 lbs/1000ft
Weight:	243 kg

SubUnit Specifications

Number of Active Subunits:	12
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	0.88 in (22.4 mm)

Color:	Black
Number of Ripcords:	2
Nominal Diameter:	.76 (19.3)

Optical Characteristics

Fiber Core Diameter:	8.2/125µm
Max Attenuation at 1310 nm:	0.40 dB/km
Max Attenuation at 1550 nm:	0.30 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	Put-Up Type	UPC
FDSH1445G	Black	Reel	612825374084

History

Update and Revision:	Revision Number: 0.69 Revision Date: 03-16-2021
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