



**Product:** [FDSH0065F](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OS2 6F Armor Unitized

### Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 6 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(6F) Gel Black

### Technical Specifications

#### Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 6XOS2 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FDSH0065F E95466(-PLANT ID) (UL) TYPE OFNP 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	6

Fiber Color Coding:	TIA-598-D
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##### Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblock Tape
Bulk Cable Weight:	17 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:	Double Jacket
Type of Armor:	Corrugated Steel Tape

#### Inner Jacket

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

#### Outer Jacket Specifications

## Outer Jacket

Material	Nominal Diameter
Thermoplastic	0.63 in (16 mm)

Color:	Black
Number of Ripcords:	2
Nom. Diameter:	.51 (12.9)

## 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)	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 Temperature Range:	-40C to +70C
Installation Temperature Range:	-30C to +60C
Storage Temperature Range:	-40C to +80C

## Standards

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

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	UPC
FDSH0065F	Black	Reel	612825374022

## History

Update and Revision:	Revision Number: 0.82 Revision Date: 05-31-2024
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