



**Product:** [FDSH0485G](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OS2 48 Fibers

### Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 48 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

### Technical Specifications

#### Product Overview

Suitable Applications:	Campus Area Network, Backbone
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#### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	4
Number of Fillers:	1
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Waterblock Tape

#### Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.394 in (10.0 mm)
Color:	Black
Number of Ripcords:	2

#### Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
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#### Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.630 in (16.0 mm)
Color:	Black
Number of Ripcords:	2

#### Optical Characteristics

Wavelength	1310 nm	1550 nm
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Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 $\mu\text{m}$	10.4 $\mu\text{m}$
1 Gigabit Ethernet Performance	5,000 m	-
10 Gigabit Ethernet Performance	10,000 m	40,000 m

## Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	169

## Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

## History

Update and Revision:	Revision Number: 0.85 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FDSH0485G	Black	Reel	612825370628

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