



**Product:** [FDSL048RG](#)

Indoor/Outdoor Riser Loose Tube OS2 48 Fibers Gel Block

### Product Description

FX Indoor/Outdoor Loose Tube OS2 48 Fibers OFNR Sub-Units(12F) Gel Black

### Technical Specifications

#### Product Overview

Construction Type:	Multi Loose Tube
Print Legend:	BELDEN 48xOS2 IN/OUTDOOR LOOSE TUBE CABLE FDSL048RG E95466(-PLANT ID) (UL) TYPE 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	48

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:	15 lbs/1000ft
Weight:	105 kg

#### SubUnit Specifications

Number of Active Subunits:	4
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:	Single Jacket
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#### Inner Jacket

Material:	PVC - Polyvinyl Chloride
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#### Outer Jacket

##### Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.319 in (8.1 mm)

Color:	Black
Number of Ripcords:	2
Nominal Diameter:	.48 (12.2)

## 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:	220
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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 +70C
Storage Temp Range:	-40C to +75C

## Standards

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

## Part Number

### Variants

Item #	Color	UPC
FDSL048RG	Black	612825372417

## History

Update and Revision:	Revision Number: 0.58 Revision Date: 07-11-2019
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