



Part Number: FD1L048RG

Indoor/Outdoor Riser Loose Tube OM1 48 Fibers

Product Description

FX Indoor/Outdoor Loose Tube OM1 48 Fibers OFNR Sub-Units (12F) Gel Black

Technical Specifications

Part Number:	FD1L048RG
Construction Type:	Multi Loose Tube
Environmental Space:	Indoor/Outdoor
Print Legend:	BELDEN 48xOM1 IN/OUTDOOR LOOSE TUBE CABLE FD1L048RG E95466(-PLANT ID) (UL) TYPE OFCR C(UL) ---FT4--- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Suitable Applications:	Indoor/Outdoor

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	48

Fiber Type:	OM1
Fiber Count:	48
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Buffer Specification

Fiber Type	Buffer Material
OM1	Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	15 lbs/1000ft
Weight:	105 kg
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
Number of Jackets:	Single Jacket
Material@InnerJacket1:	PVC

Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.319 in (8.1 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	2
OuterJacket1, Nominal Diameter:	.48 (12.2)
Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.25 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m

Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 MHz-km
Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	15x Cable OD
Max Tensile Strength During Installation:	6 (267)
Max Tensile Strength During Operation:	2 (89)
Crush Resistance:	220
Impact Resistance:	2.9 N/cm
Operating Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +70C
Storage Temp Range:	-40C to +75C
UL Rating/Flame Test:	Riser
UL Flammability:	OFNR
C (UL) US:	FT4
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

Variants

Item #	Color
FD1L048RG	Black

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