



Product: [FD1L144RD](#)

Indoor/Outdoor Riser Loose Tube OM1 144F Unitized

Product Description

FX Indoor/Outdoor Loose Tube OM1 144 Fibers OFNR Sub-Units(12F) Dry Black

Technical Specifications

Part Number:	FD1L144RD
Construction Type:	Multi Loose Tube

Product Overview

Print Legend:	BELDEN 144xOM1 IN/OUTDOOR LOOSE TUBE CABLE FD1L144RD E95466(-PLANT ID) (UL) TYPE OFCR 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
OM1	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 - Dry

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	198 lbs/1000ft
Weight:	198 kg

SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
SubUnit Waterblocking:	Gel Free

Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket

Outer Jacket Material

Nominal Diameter
0.64 in (16.3 mm)

Number of Ripcords:	2
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Optical Characteristics

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

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 Impact Resistance	2.9 N/cm

Standards

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

History

Update and Revision:	Revision Number: 0.61 Revision Date: 05-08-2020
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