



Product: [FD2D012L90](#)

Indoor/Outdoor Riser OM2 Distribution Tight Buffer 12f

Product Description

FX Indoor/Outdoor OM2 Distribution Tight Buffer 12 Fibers LSZH Non-Unitized Orange Jacket

Technical Specifications

Part Number:	FD2D012L90
Construction Type:	Distribution

Product Overview

Print Legend:	BELDEN 12xOM2 IN/OUTDOOR DISTRIBUTION CABLE FD2D012L90 E95466(-PLANT ID) (UL) TYPE OFNR C(UL) OFNR --- 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
OM2	12

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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Buffer Specification

Buffer Material	Buffer Diameter
Thermoplastic	900 μm

Cable Core Water Blocking:	Waterblocking Aramid Yarns
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SubUnit Specifications

Fibers Per Subunit:	12
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Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket Material

Material	Nominal Diameter
LSZH	0.26 in (6.6 mm)

Outer Jacket Color:	Orange
Number of Outer Jacket Ripcords:	1

Optical Characteristics

Effective Modal Bandwidth (EMB):	950 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125μm
Max Attenuation at 1300 nm:	1.25 dB/km
Max Attenuation at 850 nm:	3.5 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	150 m / 300 m
1 Gigabit Ethernet Performance:	550 m / 550 m

Min Overfilled Launch (OFL) Bandwidth:	700 MHz-km / 500 MHz-km
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Mechanical Characteristics

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	67 N (300 lbf)
Cable Max. Tensile Strength Operation (Long Term)	22 N (100 lbf)

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-20C to +70C
Storage Temp Range:	-40C to +70C

Standards

UL Rating/Flame Test:	Riser
CEC/C(UL) Specification:	OFNR
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

History

Variants

Item #	Color	UPC
FD2D012L90	Orange	612825372875

Update and Revision:	Revision Number: 0.58 Revision Date: 09-20-2018
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