



Product: [FD2D002R9](#) 

Indoor/Outdoor Riser OM2 Distribution Tight Buffer 2f

Product Description

FX Indoor/Outdoor OM2 Distribution Tight Buffer 2 Fibers OFNR Non-Unitized Black Jacket

Technical Specifications

Part Number:	FD2D002R9
Construction Type:	Distribution

Product Overview

Print Legend:	BELDEN 2XOM2 IN/OUTDOOR DISTRIBUTION CABLE FD2D002R9 E95466(-PLANT ID) (UL) TYPEOFNR 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	2

Fiber Color Coding:	Blue, Orange
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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:	2
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Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket Material

Material	Nominal Diameter
PVC	0.18 in (4.6 mm)

Outer Jacket Color:	Black
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Number of Outer Jacket Ripcords:	1
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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)	28 N (125 lbf)
Cable Max. Tensile Strength Operation (Long Term)	11 N (50 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
FD2D002R9	Black	612825367710

Update and Revision:	Revision Number: 0.45 Revision Date: 09-20-2018
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