



Product: [FD3D012P9A](#) 

Indoor/Outdoor Plenum OM3 Distribution Tight Buffer 12f

Product Description

FX Indoor/Outdoor OM3 Distribution Tight Buffer 12 Fibers OFNP Non-Unitized Aqua Jacket

Technical Specifications

Part Number:	FD3D012P9A
Construction Type:	Distribution

Product Overview

Print Legend:	BELDEN 12xOM3 IN/OUTDOOR DISTRIBUTION CABLE FD3D012P9A E95466(-PLANT ID) (UL) TYPE OFNP C(UL) OFNP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor / Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM3	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
PVC	0.23 in (5.8 mm)

Outer Jacket Color:	Aqua
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Number of Outer Jacket Ripcords:	1
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Optical Characteristics

Effective Modal Bandwidth (EMB):	2000 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125µm
Max Attenuation at 1300 nm:	1.2 dB/km
Max Attenuation at 850 nm:	3.0 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	300 m / 300 m
1 Gigabit Ethernet Performance:	- / 550 m

Min Overfilled Launch (OFL) Bandwidth:	1500 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)	34 N (150 lbf)
Cable Max. Tensile Strength Operation (Long Term)	17 N (75 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:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

History

Update and Revision:	Revision Number: 0.54 Revision Date: 08-22-2019
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