



Part Number: FD1D006P9

Indoor/Outdoor Plenum OM1 Distribution Tight Buffer 6f

Product Description

FX Indoor/Outdoor OM1 Distribution Tight Buffer 6 Fibers OFNP Non-Unitized Black Jacket

Technical Specifications

Product Overview

Part Number:	FD1D006P9
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Print Legend:	BELDEN 6XOM1 IN/OUTDOOR DISTRIBUTION CABLE FD1D006P9 E95466(-PLANT ID) (UL) TYPE OFNP C(UL) OFNP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Suitable Applications:	Indoor / Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	6

Fiber Type:	OM1
Fiber Count:	6
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White

Buffer Specification

Fiber Type	Buffer Material	Buffer Diameter
OM1	Thermoplastic	900 µm

Cable Core Water Blocking:	Waterblocking Aramid Yarns
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SubUnit Specifications

Fibers Per Subunit:	6
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Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket Material

Material	Nominal Diameter
PVC	0.19 in (4.8 mm)

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

Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
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:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m

Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 MHz-km
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Mechanical Characteristics

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	28 N (125 lbf)
Max Tensile Strength During Operation:	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:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

History

Variants

Item #	Color
FD1D006P9	Black

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