



**Part Number:** FD4D012R9

Indoor/Outdoor Riser OM4 Distribution Tight Buffer 12f

**Product Description**

FX Indoor/Outdoor OM4 Distribution Tight Buffer 12 Fibers OFNR Non-Unitized Black Jacket

**Technical Specifications**

**Product Overview**

Part Number:	FD4D012R9
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor / Outdoor

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM4	12
Fiber Type:	OM4
Fiber Count:	12
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

**Buffer Specification**

Buffer Material	Buffer Diameter
Thermoplastic	900 µm
Cable Core Water Blocking:	Waterblocking Aramid Yarns

**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	0.26 in (6.6 mm)
Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	1

**Optical Characteristics**

Effective Modal Bandwidth (EMB):	4700 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:	550 m / 300 m
1 Gigabit Ethernet Performance:	- / 550 m

Min Overfilled Launch (OFL) Bandwidth:	3500 MHz-km /550 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:	34 N (150 lbf)
Max Tensile Strength During Operation:	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:	Riser
CEC/C(UL) Specification:	OFNR
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

## History

### Variants

Item #	Color	UPC
FD4D012R9	Black	612825379638

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