



**Part Number:** FD4D144RK

Indoor/Outdoor Riser OM4 Distribution Tight Buffer 144f

**Product Description**

FX Indoor/Outdoor OM4 Distribution Tight Buffer 144 Fibers OFNR Sub-Units (12F) Black Jacket

**Technical Specifications**

**Product Overview**

Part Number:	FD4D144RK
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor / Outdoor

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM4	144
Fiber Type:	OM4
Fiber Count:	144
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

**Buffer Specification**

Buffer Material	Buffer Diameter
Thermoplastic	900 µm
Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape

**SubUnit Specifications**

Number of Active Subunits:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
SubUnit Diameter:	0.230 in (5.8 mm)
SubUnit Waterblocking:	Water Blocking Aramid Yarns

**Jacket Specifications**

Number of Jackets:	Single Jacket
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**Outer Jacket Material**

Material	Nominal Diameter
PVC	1.10 in (27.9 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

## Mechanical Characteristics

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	427 N (1900 lbf)
Max Tensile Strength During Operation:	214 N (950 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
FD4D144RK	Black	612825374770

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