

## Part Number: FD3D096FK



### Indoor/Outdoor Riser OM3 Distribution 96F Armor Unitized

#### Product Description

FX Indoor/Outdoor OM3 Distribution Tight Buffer 96 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) Black Jacket

#### Technical Specifications

##### Product Overview

Part Number:	FD3D096FK
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Print Legend:	BELDEN 96xOM3 IN/OUTDOOR DISTRIBUTION CABLE FD3D096FK E95466(-PLANT ID) (UL) TYPE OFCR C(UL) OFCR --- FT4 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Suitable Applications:	Indoor / Outdoor

##### Construction

###### Fiber Cable Construction

Fiber Type	Fiber Count
OM3	96
Fiber Type:	OM3
Fiber Count:	96
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

###### Buffer Specification

Fiber Type	Buffer Material	Buffer Diameter
OM3	Thermoplastic	900 µm
Central Strength Member:		Upjacketed GRP
Cable Core Water Blocking:		Waterblocking Tape

##### SubUnit Specifications

Number of Active Subunits:	8
Number of Subunit Positions:	8
Fibers Per Subunit:	12
SubUnit Diameter:	0.230 in (5.8 mm)
SubUnit Waterblocking:	Water Blocking Aramid Yarns

##### Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum
Number of Inner Jacket Ripcords:	1
Color@InnerJacket1:	Black
Nominal Diameter@InnerJacket1:	0.93 in
Material@InnerJacket1:	PVC

##### Outer Jacket Material

Material	Nominal Diameter
PVC	1.22 in (31 mm)
Outer Jacket Color:	Black

## Optical Characteristics

Effective Modal Bandwidth (EMB):	2000 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125 $\mu$ m
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

## Mechanical Characteristics

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	135 N (600 lbf)
Max Tensile Strength During Operation:	45 N (200 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
FD3D096FK	Black

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