



**Part Number: FD1D096AK**

**Indoor/Outdoor Plenum OM1 Distribution 96F Armor Unitized**

## Product Description

FX Indoor/Outdoor OM1 Distribution Tight Buffer 96 Fibers OFCP Aluminum Interlocked Armor Sub-Units(12F) Black Jacket

## Technical Specifications

Part Number:	FD1D096AK
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Print Legend:	BELDEN 96xOM1 IN/OUTDOOR DISTRIBUTION CABLE FD1D096AK E95466(-PLANT ID) (UL) TYPE OFCP C(UL) OFCP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Suitable Applications:	Indoor / Outdoor

### Fiber Cable Construction

Fiber Type	Fiber Count
OM1	96

Fiber Type:	OM1
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
OM1	Thermoplastic	900 µm

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape
Number of Active Subunits:	8
Number of Subunit Positions:	8
Fibers Per Subunit:	12
SubUnit Diameter:	.220 in (5.6 mm)
SubUnit Waterblocking:	Water Blocking Aramid Yarns
Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum
Number of Inner Jacket Ripcords:	1
Color@InnerJacket1:	Black
Nominal Diameter@InnerJacket1:	0.91 in
Material@InnerJacket1:	PVDF

### Outer Jacket Material

Material	Nominal Diameter
PVC	1.21 in (30.7 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	1
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
Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	600 (2670)
Max Tensile Strength During Operation:	200 (890)
Operating Temp Range:	-40C to +70C
Installation Temp Range:	-20C to +70C
Storage Temp Range:	-40C to +70C
UL Rating/Flame Test:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

**Variants**

Item #	Color
FD1D096AK	Black

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