



Part Number: FD3D072AK

Indoor/Outdoor Plenum OM3 Distribution 72F Armor Unitized

Product Description

FX Indoor/Outdoor OM3 Distribution Tight Buffer 72 Fibers OFCP Aluminum Interlocked Armor Sub-Units(12F) Black Jacket

Technical Specifications

Part Number:	FD3D072AK
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Print Legend:	BELDEN 72xOM3 IN/OUTDOOR DISTRIBUTION CABLE FD3D072AK 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
OM3	72

Fiber Type:	OM3
Fiber Count:	72
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
Number of Active Subunits:	6
Number of Subunit Positions:	6
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:	0.76 in
Material@InnerJacket1:	PVDF

Outer Jacket Material

Material	Nominal Diameter
PVC	1.06 in (26.9 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	1
Effective Modal Bandwidth (EMB):	2000 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:	300 m / 300 m

1 Gigabit Ethernet Performance:	- / 550 m
Min Overfilled Launch (OFL) Bandwidth:	1500 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
FD3D072AK	Black

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[FD3D072AK](#)