



Product: [HD3B0020216FB](#)

Indoor/Outdoor Armored Hybrid Copper-Fiber Cable, OM3, 2 Breakout Fibers, 2.0mm Sub-units, #16-2c, CMR-OF

Product Description

FX HYBRID INDOOR/OUTDOOR, OM3, BREAKOUT, 2 FIBERS, 02 x 16AWG, CMR-OF ALUMINUM INTERLOCKED ARMOR, SUB-UNIT 2.0MM (1F X 900UM), BLACK JACKET

Technical Specifications

Part Number:	HD3B0020216FB
--------------	---------------

Product Overview

Environmental Space:	Indoor/Outdoor
Suitable Applications:	Distributed Antenna Systems (DAS), Passive Optical Network (PON), Wireless Access Points (WAP), Security (Cameras)

Construction

Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color	Subunit Color 2
OM3	2	Aqua	Aqua

Fiber Color Coding:	TIA-598-D
---------------------	-----------

Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm

Bulk Cable Weight:	166 lbs/kft (248 kg/km)
--------------------	-------------------------

SubUnit Specifications

Fibers Per Subunit:	1
Subunit Diameter:	0.079 in (2.0mm)

Jacket Specifications

Color:	Aqua
Nominal Diameter:	0.327 in (8.3 mm)
Material:	PVC - Polyvinyl Chloride
Conductor Count:	2

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.620 in (15.7mm)

Color:	Black
Number of Ripcords:	1
Nominal Diameter:	0.61 in (15.5 mm)

Optical Characteristics

Fiber Core Diameter:	50/125 µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.0 dB/km

Wavelength@Optical MM1:	850
-------------------------	-----

Mechanical Characteristics

Crush Resistance:	440 N/cm
-------------------	----------

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	Error
Cable Max. Tensile Strength Operation (Long Term)	Error

Temperature Range

Operating Temp Range:	-40°C to +70°C
Installation Temp Range:	-10°C to +60°C
Storage Temp Range:	-40°C to +70°C

Standards

UL Rating/Flame Test:	Riser
NEC/(UL) Compliance:	CMR-OF
TIA/EIA Compliance:	ICEA S-120-742
REACH:	Complies
RoHS:	Complies

History

Update and Revision:	Revision Number: 0.12 Revision Date: 06-21-2021
----------------------	---

© 2021 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.