Product: HD4B0020218PC

Indoor/Outdoor Hybrid Copper-Fiber Cable, OM4, 2 Breakout Fibers, #18-2c, CMP-OF

Product Description

FX HYBRID INDOOR/OUTDOOR, OM4, BREAKOUT 3.0MM, 2 FIBERS, 02 x 18AWG, CMP-OF, 3.0MM SUB (1F X 900UM), BLACK JACKET

Technical Specifications

Product Overview

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

Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

Fiber Construction

Subunit Strength Members:	Waterblocking aramid yarns
Fibers Per Subunit:	1
Nom. Jacket Diameter:	0.118 in. (3.0 mm)
Jacket Color:	Erika Violet

Conductor Specifications

AWG Size:	18
Number of Strands:	19x30
Conductor Type:	TC - Tinned Copper
Number of Conductors:	2
Insulation Material:	PVC
Nom. Insulation Diameter:	0.072 in. (1.8 mm)

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.339 in (8.7 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1000 m	550 m
10 Gigabit Ethernet Performance	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz.km	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1335 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	52 lbs/kft (78 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
NEC / UL Compliance:	CMP-OF
ICEA Compliance:	S-120-742
TIA/EIA Compliance:	ICEA S-120-742

History

Update and Revision:	Revision Number: 0.52 Revision Date: 02-15-2024

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