Product: HI3B0020216RC

Indoor Hybrid Copper-Fiber Cable, OM3, 2 Breakout Fibers, #16-2c, CMR-OF

Product Description

FX HYBRID INDOOR, OM3, BREAKOUT 3.0MM, 2 FIBERS, 02 x 16AWG, CMR-OF, 3.0MM SUB (1F X 900UM), AQUA 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:	OM3
Fiber Core Diameter:	50/125 µm
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 µm
Fiber Count:	2
Fiber Color Code:	TIA-598-D

Fiber Construction

Fiber SubUnit Strength Members:	Aramid yarns
Fibers Per Subunit:	1
Nominal Jacket Diameter:	0.118 in. (3.0 mm)
Jacket Color Fiber Unit:	Aqua

Conductor Specifications

AWG Size:	16
Number of Strands:	19x29
Conductor Type:	TC - Tinned Copper
Number of Conductors:	2
Insulation Material:	PVC
Nom. Insulation Diameter:	0.087 in. (2.2 mm)

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.315 in (8.1 mm)
Outer Jacket Color:	Aqua
Outer Jacket Ripcord:	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	300 m	--
Min. Effective Modal Bandwidth (EMB)	2000 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz.km	500 MHz.km

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum 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:	60 lbs/kft (90 kg/km)

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-20°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	CMR-OF
ICEA Compliance:	S-120-742
TIA/EIA Compliance:	ICEA S-120-742

History

Update and Revision:	Revision Number: 0.49 Revision Date: 02-15-2024

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