Product: HI4D0060212PJ

Indoor Hybrid Copper-Fiber Cable, OM4, 6 Distribution Fibers, #12-2c, CL3P-OF

Product Description

FX HYBRID INDOOR, OM4, DISTRIBUTION, 6 FIBERS, 02 x 12AWG, CL3P-OF, 4.5MM SUB X 900UM, ERIKA VIOLET 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
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 µm
Fiber Count:	6
Fiber Color Code:	TIA-598-D

Fiber Construction

Fiber SubUnit Strength Members:	Aramid yarns
Fibers Per Subunit:	6
Nominal Jacket Diameter:	0.180 in. (4.6 mm)
Jacket Color Fiber Unit:	Erika Violet

Conductor Specifications

AWG Size:	12
Number of Strands:	19x25
Conductor Type:	TC - Tinned Copper
Number of Conductors:	2
Insulation Material:	PVC
Nom. Insulation Diameter:	0.118 in. (3.0 mm)

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.387 in (9.9 mm)
Outer Jacket Color:	Erika Violet
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	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 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:	88 lbs/kft (131 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	0°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:	CL3P-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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