

Product: HISD0060214RJ

Indoor Hybrid Copper-Fiber Cable, OS2, 6 Distribution Fibers, #14-2c, CL3R-OF

Product Description

FX HYBRID INDOOR, OS2, DISTRIBUTION, 6 FIBERS, 02 x 14AWG, CL3R-OF, 4.5MM SUB X 900UM, YELLOW 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:	OS2
Fiber Core Diameter:	8.2/125 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:	Yellow

Conductor Specifications

AWG Size:	14
Number of Strands:	19x26
Conductor Type:	TC - Tinned Copper
Number of Conductors:	2
Insulation Material:	PVC
Nom. Insulation Diameter:	0.090 in. (2.3 mm)

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.352 in (9.0 mm)
Outer Jacket Color:	Yellow
Outer Jacket Ripcord:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 dB/km
Mode Field Diameter	9.2 µm	10.4 µm
1 Gigabit Ethernet Performance	5000 m	--
10 Gigabit Ethernet Performance	10,000 m	40,000 m

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:	81 lbs/kft (121 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:	CL3R-OF
ICEA Compliance:	S-120-742
TIA/EIA Compliance:	ICEA S-120-742

History

Update and Revision:	Revision Number: 0.46 Revision Date: 02-15-2024

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