Product: HDSB0020214FB ↗

Indoor/Outdoor Armored Hybrid Copper-Fiber Cable, OS2, 2 Breakout Fibers, 2.0mm Sub-units, #14-2c, CL3R-OF

Product Description

FX HYBRID INDOOR/OUTDOOR, OS2, BREAKOUT, 2 FIBERS, 02 x 14AWG, CL3R-OF ALUMINUM INTERLOCKED ARMOR, SUB-UNIT 2.0MM (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:	OS2
Fiber Core Diameter:	8.2/125 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:	0.078 in. (2.0 mm)
Jacket Color:	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)

Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.342 in (8.7 mm)
Color:	Yellow

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.635 in (16.2 mm)

Color:	Black
Number of Ripcords:	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

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	1335 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	209 lbs/kft (312 kg/km)

Temperature Range

Installation Temperature Range:	-10ºC to +60ºC
Operating Temperature Range:	-40ºC to +70ºC
Storage Temperature Range:	-40ºC to +70ºC

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
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: 0.19 Revision Date: 02-15-2024