



Product: [HDS0040212LJ](#) 

HYBRID INDOOR/OUTDOOR OS2 DISTRIBUTION 4 FIBERS 02 X 12AWG CL3R-OF 5.1MM SUB X 900µm

Product Description

FX HYBRID INDOOR/OUTDOOR, OS2, DISTRIBUTION, 4 FIBERS, 02 X 12AWG, CL3R-OF, 5.1MM SUB X 900µm, BLACK

Technical Specifications

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.419" (10.6 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km

Mechanical Characteristics

Minimum Bend Radius During Installation:	15 x cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	600 lbf (2670 N)
Max. Tensile Strength During Operation:	180 lbf (800 N)
Crush Resistance:	220 N/cm

Temperature Range

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

Standards and Compliance

NEC / UL Compliance:	CL3R-OF
TIA/EIA Compliance:	ICEA S-120-742

History

Update and Revision:	Revision Number: 0.4 Revision Date: 04-23-2026
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Product Overview

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

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 µm
Fiber Count:	4
Fiber Color Code:	TIA-598-D

Fiber Construction

Fiber SubUnit Strength Members:	Waterblocking aramid yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nominal Jacket Diameter:	0.200" (5.1 mm)
Jacket Color Fiber Unit:	Yellow

Conductor Specifications

AWG Size:	14
Number of Conductors:	2
Insulation Material:	PVC
Nom. Insulation Diameter:	0.115" (2.9 mm)

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