Belden

Product: FDSH0125D

Indoor/Outdoor Heavy Duty Loose Tube OS2 12 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Dry

Product Description

FX Indoor/Outdoor, Heavy Duty Loose Tube, OS2, 12 Fibers, OFCR, Corrugated Steel Tape Armor, Sub-Units (12F) Dry, Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Campus Area Network, Long Haul, Backbone

Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	12
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP
Core Wrap Material:	Water Block Tape
Cable Core Water Blocking:	Gel Free

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.347 in (8.8 mm)
Color:	Black
Number of Inner Jacket Ripcords:	1

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.600 in (15.2 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	2

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km

10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--
100 Gigabit Ethernet Performance	10,000 m	--

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	166 lbs/kft (247 kg/km)

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

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1666, UL 1685
NEC / UL Compliance:	OFCR
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.8 Revision Date: 12-01-2025

Part Numbers

Variants

Item #	Color	Putup Type
FDSH0125D	Black	Reel

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