BELDEN



Product: FSSL0966G

Loose Tube OS2 96F OSP Steel Armor Unitized Gel

Product Description

FX Outdoor Loose Tube OS2 96 Fibers OSP Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Long Haul, Backbone

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	96
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	8
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.098 in (2.5 mm)
Central Strength Member:	Upjacketed GRP
Core Wrap:	Nomex tape
Cable Core Waterblocking:	Waterblock Tape

Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.445 in (11.3 mm)
Color:	Black
Number of Ripcords:	2

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.690 in (17.5 mm)
Color:	Black
Number of Ripcords:	2

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 µm	10.4 µm

1 Gigabit Ethernet Performance	5,000 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:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	151

Temperature Range

Installation Temperature Range:	-30°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:	Outdoor
Sustainability:	CA Prop 65
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

History

Update and Revision:	Revision Number: 0.86 Revision Date: 11-09-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FSSL0966G	Black	Reel	612825384069

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