



Product: [FSSC024N0](#)

Outdoor, OS2, Central Loose-Tube, 24 Fibers, CM (OFN)

Product Description

Outdoor Cable, OS2, Central Loose-Tube, 24 Fibers, CM (OFN), 250 um Fiber

Technical Specifications

Product Overview

Product Category:	Central Loose Tube
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Outdoor & Wet Locations, Aerial (Lashed)

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	0
Fibers Per Subunit:	24
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.150 in (3.8 mm)
Subunit Color:	Blue
Subunit Strength Members:	Aramid Yarns
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Gel Filled

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.315 in (8.0 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	953 nm	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	-	5000 m	-
10 Gigabit Ethernet Performance		10,000 m	40,000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
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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:	220 N/cm
Bulk Cable Weight:	34 lbs/kft (51 kg/km)

Temperature Range

Installation Temperature Range:	-30C to +60C
Operating Temperature Range:	-40C to +70C
Storage Temperature Range:	-40C to +70C

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: 0.173 Revision Date: 04-01-2024
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