



Product: [TM-SLG-024-HNAN](#)

Marine Grade, Indoor/Outdoor, Multi-Loose Tube, OS2, 24 Fibers, Gel Filled Tubes 2.5 mm, Single Jacket, Black, LSZH, OFNG-ST1, ABS Approved

Product Description

Marine Grade, Indoor/Outdoor, Multi-Loose Tube, OS2, 24 Fibers, Gel Filled Tubes 2.5 mm, Single Jacket, Black, LSZH, OFNG-ST1, ABS Approved

Technical Specifications

Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations

Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	2
Number of Fillers:	3
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	GRP

Outer Jacket Specifications

Strength Member:	Waterblocking Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.437 in (11.1 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.4 dB/km	0.3 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	15x 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:	220 N/cm
Bulk Cable Weight:	85 lbs/kft (126 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
NEC / UL Compliance:	OFNG-ST1
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
IEEE Compliance:	IEEE 45
Marine Compliance:	ABS

History

Update and Revision:	Revision Number: 0.3 Revision Date: 07-25-2025
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