



**Product:** [TM-SLG-012-HNA](#)

Marine, In+Outdoor, MLT, OS2, 12f, Gel Tubes 2.8mm, Sgl Jkt - LSZH, OFNG-ST1, ABS

## Product Description

Marine Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 12 Fibers, Gel Filled Tubes 2.8mm, Single Jacket - 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
Fiber Core Diameter:	8.2/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.460 in (11.7 mm)
Number of Ripcords:	1

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 $\mu$ m	10.4 $\mu$ m
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
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:	89 lbs/kft (132 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:	OFNG-ST1, FT4
ICEA Compliance:	S-104-696
IEEE Compliance:	IEEE 45
Marine Compliance:	ABS

### History

Update and Revision:	Revision Number: 0.23 Revision Date: 11-14-2022
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### Part Numbers

#### Variants

Item #	Color	Putup Type
TM-SLG-012-HNAN	Black	Reel

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