




**Product:** [TM-1LG-012-HBA](#) 

Marine, In+Outdoor, MLT, OM1, 12f, Gel Tubes 2.8mm, BBA, Dbl Jkt - LSZH, OFCG-ST1, ABS

**Product Description**

Marine Grade, Indoor/Outdoor, Multi-Loose-Tube, OM1, 12 Fibers, Gel Filled Tubes 2.8mm, Bronze Braid Armor, Double Jacket - LSZH, OFCG-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, Rodent Proof

**Fiber Specifications**

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 µm
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 Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

**Inner Jacket Specifications**

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

**Armor Specifications**

Armor Type and Material:	BBA - Bronze Braid Armor
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**Outer Jacket Specifications**

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.645 in (16.4 mm)

**Optical Characteristics**

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1.0 dB/km

1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	-
Min. Restricted Mode Launch	220 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

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:	247 lbs/kft (368 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:	OFCG-ST1, FT4
ICEA Compliance:	S-104-696
IEEE Compliance:	IEEE 45, IEEE 1580 (braid only)
Marine Compliance:	ABS

History

Update and Revision:	Revision Number: 0.21 Revision Date: 11-14-2022
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Part Numbers

Variants

Item #	Color	Putup Type
TM-1LG-012-HBAN	Black	Reel

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