



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
--------------------------	--------------------------

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
----------------------	---

Part Numbers

Variants

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

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.