



Product: TM-1BB-006-LNA ☑

Marine, In+Outdoor, BO, OM1, 6f, Subunit 2.0mm, Sgl Jkt - LSZH, OFNR-ST1, ABS

# **Product Description**

Marine Grade, Indoor/Outdoor, Breakout, OM1, 6 Fibers, Subunits 2.0mm 900um, Single Jacket - LSZH, OFNR-ST1, ABS Approved

# **Technical Specifications**

## **Product Overview**

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

## **Fiber Specifications**

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 μm
Fiber Diameter:	250 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 μm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

## **Cable Construction**

Normal and Antica Controlling	
Number of Active Subunits:	6
Number of Fillers:	0
Fibers Per Subunit:	1
Subunit Waterblocking:	Waterblocking Aramid
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Color:	Orange
Subunit Strength Members:	Waterblocking aramid yarns
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:	0.368 in (9.3 mm)	
Number of Ripcords:	1	

## Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 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:	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:	61 lbs/kft (91 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:	OFNR-ST1, FT4
ICEA Compliance:	S-104-696
IEEE Compliance:	IEEE 45
Marine Compliance:	ABS

### History

Update and R	evision Number: 0.21 Revision Date: 11-14-2022

### **Part Numbers**

### Variants

Item #	Color	Putup Type
TM-1BB-006-LNAN	Black	Reel

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