



Product: [TM-4LF-006-HBAN](#) 

Marine Grade, Indoor/Outdoor, Multi-Loose-Tube, OM4, 6 Fibers, Gel Filled Tubes 2.5mm, Bronze Braid Armor, Double Jacket

Product Description

Marine Grade, Indoor/Outdoor, Multi-Loose-Tube, OM4, 6 Fibers, Gel Filled Tubes 2.5mm, Bronze Braid Armor, Double Jacket, Black, 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 Resistant

Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
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:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP

Inner Jacket Specifications

Inner Jacket Strength Member:	Fiberglass Yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nominal Diameter@InnerJacket1 (cnv):	0.437 in (11.1 mm)
Color:	Black
Number of Inner Jacket 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:	0.622 in (15.8 mm)
Outer Jacket Color:	Black

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km

10 Gigabit Ethernet Performance	400 m	--
40 Gigabit Ethernet Performance	150 m	--
100 Gigabit Ethernet Performance	100 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz.km	500 MHz.km

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum 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:	UL1666, UL 1685
NEC / UL Compliance:	OFCR-ST1
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
Marine Compliance:	ABS Certified
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.3 Revision Date: 09-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type
TM-4LF-006-HBAN	Black	Reel

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