

Product: TM-1C0-004-MNA

MarineTuff, In+Outdoor, CLT, OM1, 4f, Gel Tube 3.8mm, Sgl Jkt, LSZH, OFNR, ABS

Product Description

Marine Grade, Indoor/Outdoor, Central Loose-Tube, OM1, 4 Fibers, Gel Filled Tube 3.8mm, Single Jacket, LSZH, OFNR, ABS Approved

Technical Specifications

Product Overview

Product Category:	Fiber Central 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:	4
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	4
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.150" (3.3 mm)
Subunit Color:	Blue

Outer Jacket Specifications

Strength Member:	Waterblocking Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.315 in (8.0 mm)
Number of Ripcords:	1

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:	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:	44 lbs/kft (65 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
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696

History

Update and Revision:	Revision Number: 0.14 Revision Date: 11-14-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
TM-1C0-004-MNAN	Black	Cut to Length	612825484752
TM-1C0-004-MNAO	Orange	Cut to Length	612825484783

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