

Product: TM-3D9-012-LNA

Marine, In+Outdoor, DN, OM3, 12f, Non-Unit, Sgl Jkt - LSZH, OFNR-ST1, ABS

Product Description

Marine Grade, Indoor/Outdoor, Distribution, OM3, 12 Fibers, Non-Unit 900um, Single Jacket - LSZH, OFNR-ST1, ABS Approved

Technical Specifications

Product Overview

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

Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.320 in (8.1 mm)
Number of Ripcords:	1

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1000 m	550 m
10 Gigabit Ethernet Performance	300 m	-
Min. Effective Modal Bandwidth (EMB)	2000 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	1500 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:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	36 lbs/kft (54 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 Revision:	Revision Number: 0.21 Revision Date: 11-14-2022

Part Numbers

Variants

Item #	Color	Putup Type
TM-3D9-012-LNAN	Black	Reel

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