BELDEN

Product: [TM-4BB-006-LNA](#) 🔗

MarineTuff, In+Outdoor, BO, OM4, 6f, Subunit 2.0mm, Sgl Jkt, LSZH, OFNR-ST1, ABS

Product Description

Marine Grade, Indoor/Outdoor, Breakout, OM4, 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:	OM4
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	6
Fibers Per Subunit:	1
Subunit Diameter:	0.78 in (2.0 mm)
Subunit Color:	Erika Violet
Subunit Strength Members:	Waterblocking aramid yarns
Core Wrap:	Waterblocking tape

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.321 in (8.2 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	1100	550
10 Gigabit Ethernet Performance	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 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:	1330 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	64 lbs/kft (95 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
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNR-ST1, FT4
CPR Compliance:	CPR Euroclass: Eca
ICEA Compliance:	S-104-696
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.58 Revision Date: 12-19-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
TM-4BB-006-LNAN	Black	Cut to Length	612825476030