



Product: [NTZL53AA012AQAA](#)

12F MM 50µm OM3 Fiber Optic - Tight Buffer - LSZH Jacket - Indoor IEC60332-1

Product Description

12 optical fibers, Multi Mode 50µm OM3, 900 µm LSZH tight buffer, stranded together with aramid yarn reinforcing, LSZH jacket for indoor applications- IEC 60332-1 rated

Technical Specifications

Product Overview

Suitable Applications:	High degree of flexibility suitable for backbone, horizontal, inner-and inter-building installations; Excellent LSZH flame retardant performance for indoor application.
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Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM3	12

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Construction	Buffer Material	Buffer Diameter
Tight	LSZH - Low Smoke Zero Halogen	900 µm

Bulk Cable Weight:	40.3 kg/km
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Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.2 mm

Color:	Aqua
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Optical Characteristics

Fiber Core Diameter:	50 µm
Max. Attenuation at 1300 nm:	1.0 dB/km
Max. Attenuation at 850 nm:	3.0 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	124 mm
Cable Min. Bend Radius Operation (Long Term)	62 mm
Cable Max. Tensile Strength Installation (Short Term)	660 N (148 lbf)
Cable Max. Tensile Strength Operation (Long Term)	200 N (45 lbf)
Cable Max. Crush Resistance Installation (Short Term)	1000 N/100mm
Cable Max. Crush Resistance Operation (Long Term)	300 N/100mm

Temperature Range

Operating Temp Range:	-20 °C to +60 °C
Storage Temp Range:	-20 °C to +60 °C

Standards

IEC Flammability:	IEC 60332-1
ISO/IEC Compliance:	IEC 60794-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	No

History

Update and Revision:	Revision Number: 0.28 Revision Date: 04-08-2022
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