



Product: [NTZL54AA012AQAA](#) 

Indoor tight buffered distribution cable LSZH jacket 12F MM 50µm OM4, IEC 60332-1 rated

Product Description

Indoor optical fiber distribution cable: 900µm LSZH tight buffer, Aramid yarn reinforcing, Single LSZH jacket, 12 Fibers, MM 50µm OM4, IEC 60332-1 rated

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	High degree of flexibility suitable for backbone, horizontal, inner and inter-building installations; LSZH flame retardant performance for indoor application

Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50 µm
Fiber Diameter:	125 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Buffer Construction:	Tight Buffer
Buffer Diameter:	900 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	6.2 mm (0.24 in)
Color:	Aqua

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	

Mechanical Characteristics

Min. Bend Radius During Installation:	20 x Cable OD
Min. Bend Radius During Operation:	10 x Cable OD
Max. Tensile Strength During Installation:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	Max. Crush Resistance During Installation : 1000 N/100 mm Max. Crush Resistance During Operation : 300 N/100 mm

Mechanical Tests

Description	Tested Standard
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E11
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3

Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3
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Bulk Cable Weight:	40.3 kg/km (27.1 lbs/1000ft)
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Temperature Range

Operating Temperature Range:	-20°C to +60°C
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Storage Temperature Range:	-20°C to +60°C
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Standards and Compliance

Environmental Suitability:	Indoor
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Flammability / Reaction to Fire:	IEC 60332-1-2
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ISO/IEC Compliance:	IEC 60793-1-1IEC 60794-1-1, IEC 61034-2 - Smoke Density Min Transmittance = IEC 61034-2
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European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)
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History

Update and Revision:	Revision Number: 0.54 Revision Date: 12-07-2023
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