



Product: [NTBL12AA048YEAA](#) 

Indoor tight buffered distribution cable LSZH jacket 48f SM G.652.D. IEC 60332-3C rated.

Product Description

Indoor tight buffered optical fiber distribution cable with 900µm LSZH tight buffer, stranded together with aramid yarn reinforcing and flame retardant LSZH jacket, 48 fibers SM G.652.D. IEC 60332-3C 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; Excellent LSZH flame retardant performance for indoor application

Fiber Specifications

Fiber Type:	OS2, G.652.D
Fiber Core Diameter:	9 µm
Fiber Diameter:	125 µm
Fiber Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Fiber Buffer Construction:	Tight Buffer
Fiber Buffer Diameter:	900 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Aramid Yarns
Central Strength Member Type:	GRP

Outer Jacket Specifications

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	14.7 mm (0.579 in)
Outer Jacket Color:	Yellow

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.36 dB/km	0.22 dB/km
Mode Field Diameter	9.2 µm	10.4 µm

Mechanical Characteristics

Minimum Bend Radius During Installation:	20 x Cable OD
Minimum Bend Radius During Operation:	10 x Cable OD
Max. Tensile Strength During Installation:	1320 N (297 lbf)
Max. Tensile Strength During Operation:	660 N (150 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

Bulk Cable Weight:	185.0 kg/km (124.3 lbs/1000ft)
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Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	IEC 60332-3-24
ISO/IEC Compliance:	IEC 60793-1-1IEC 60794-1-1
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)

Product Notes

Notes:	Subunit Identification: Sequential numbers printed on each subunit jacket.
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History

Update and Revision:	Revision Number: 0.19 Revision Date: 12-07-2023
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