Product: NTAP12AA024YEAA

Indoor tight buffered distribution cable PVC Jacket 24F SM G.652.D, Riser & UL-1666

Product Description

Indoor optical fiber distribution cable : 900µm PVC tight buffer, Aramid yarn reinforcing, flame retardant PVC jacket, 24 Fibers, SM G.652.D, Riser & UL-1666 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 flame retardant performance for indoor application

Fiber Specifications

Fiber Type:	OS2, G.652.D
Fiber Core Diameter:	9 µm
Fiber Diameter:	125 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Construction:	Tight Buffer
Buffer Diameter:	900 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	8.8 mm (0.35 in)
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

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: 1000N/100mm, Max Crush Resistance During Operation: 300N/100mm

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:	58.0 kg/km (39.0 lbs/1000ft)

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:	UL 1666
ISO/IEC Compliance:	IEC 60793-1-1IEC 60794-1-1
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)

History

Update and Revision:	Revision Number: 0.51 Revision Date: 12-07-2023

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