




Product: [NTAP12WA012BKAA](#) 

12F SM G652.D Fiber Optic - Tight Buffer - PVC Jacket – Indoor/Outdoor Riser

Product Description

12 optical fibers, Single Mode G652.D, 900µm PVC tight buffer, stranded together with water swellable aramid yarn reinforcing, flame retardant PVC jacket for indoor/outdoor applications-Riser rated

Technical Specifications

Product Overview

Suitable Applications:	High degree of flexibility suitable for backbone, horizontal, inner and inter building installations; Excellent flame retardant performance for indoor application; Water swellable aramid yarn and black UV resistant jacket design for outdoor application.
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Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2, G.652.D	12

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Construction	Buffer Material	Buffer Diameter
Tight	PVC - Polyvinyl Chloride	900 µm

Bulk Cable Weight:	33.4 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
PVC - Polyvinyl Chloride	6.2 mm

Color:	Black
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Optical Characteristics

Fiber Core Diameter:	9 µm
Max. Attenuation at 1310 nm:	0.35 dB/km
Max. Attenuation at 1550 nm:	0.22 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

UL Flammability:	FT4
NEC/(UL) Compliance:	OFNR
ISO/IEC Compliance:	IEC 60794-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

History

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