



Product: [GOGN102](#)

Outdoor OFC CLT (jelly filled): GLASS YARNS(3150N) + PE + PA with 1 Tube of Ø3.3mm 2f MM OM1.

Product Description

Outdoor optical fiber Central Loose Tube (jelly filled tube) cable with glass yarns (improved rodent protection) as strength member and polyethylene outer jacket plus termite protection by polyamide layer. Product feature: This cable has improved rodent protection by glass yarnstermite protection by polyamide layer and . Existing out of 1 Tube with a diameter of 3.3mm with 2 fibers MM OM1.

Technical Specifications

Product Overview

Construction Type:	Central Loose Tube
Environmental Space:	Outdoor
Suitable Applications:	For outdoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and trenches and/or tubes. Suitable for Direct Burial.

Construction

Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color
OM1	2	TIA coding (Gxxxxx.T): Natural
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange	
Cable Core Water Tight:	Yes	
Cable Core Waterblocking:	Waterblocking Glass Yarns	
Bulk Cable Weight:	54 kg/km	

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
Fibers Per Subunit:	2
Subunit Diameter:	3.3 mm
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Non-Armored

Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter	Ripcord
PE - Polyethylene	Black	7.1 mm	No
Nylon	Black	8.1 mm	

Table Notes: Standard color: Black. Available colors: Black, Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Lime Green

Optical Characteristics

Max. Attenuation at 1300 nm:	0.9 dB/km
Max. Attenuation at 850 nm:	3.4 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	162 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	81 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3150 N (708 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1050 N (236 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10

Temperature Range

Operating Temperature Range:	-30 °C to +70 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-30 °C to +70 °C

Standards

REACH:	Compliant
ISO/IEC Compliance:	IEC 60794-1-1
EU Directive 2011/65/EU (RoHS 2):	Compliant

History

Update and Revision:	Revision Number: 0.29 Revision Date: 12-14-2023
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