



Product: [GMSN12](#) 

Outdoor OFC CLT (jelly filled): GLASS YARNS + PUR with 1 Tube of Ø3.3mm
12f SM OS2 G.657.B3.

Product Description

Outdoor (PUR jacket) optical fiber Central Loose Tube (jelly filled tube) cable with glass yarns as strength member and polyurethane outer jacket. Existing out of 1 Tube with a diameter of 3.3mm with 12 fibers SM OS2 G.657.B3.

Technical Specifications

Product Overview

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

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G.657B3	12	TIA coding (Gxxxxx.T): Natural

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Cable Core Water Tight:	Yes
Cable Core Waterblocking:	Waterblocking Glass Yarns + Tape
Bulk Cable Weight:	40 kg/km

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
Fibers Per Subunit:	12
Subunit Diameter:	3.3 mm
Subunit Waterblocking:	Gel Filled

Jacket Specifications

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

Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter	Ripcord
PUR - Polyurethane	6.3 mm	No

Optical Characteristics

Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 dB/km

Max. Attenuation at 1625 nm:	0.30 dB/km
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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	94.5 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	63 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1500 N (337 lbf)	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	500 N (112 lbf)	IEC 60794-2-20
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-2-20

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

UL Rating/Flame Test:	Non-UL Rated
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

History

Update and Revision:	Revision Number: 0.52 Revision Date: 09-17-2024
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