



Product: [GUCMOF12](#) 

Universal OFC CLT (gel-free tube): GLASS YARNS + CST + LSZH with 1 gel-free Tube of Ø3.3mm 12f SM OS2 G.657.A2. (Oil resistant)

Product Description

Universal (Indoor/Outdoor) optical fiber Central Loose Tube (gel-free tube) cable with glass yarns as strength member, Corrugated Steel Tape (Full Rodent Protected) armor and Low Smoke Zero Halogen outer jacket. Product feature: This cable has improved rodent protection by Corrugated Steel Tape (Full Rodent Protected). Existing out of 1 gel-free Tube with a diameter of 3.3mm with 12 fibers SM OS2 G.657.A2. (Oil resistant)

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor - Euroclass Dca
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 Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G.657.A2	12	TIA coding (Gxxxxxx.T): Natural
Fiber Color Code:		TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua	
Cable Core Water Blocking:		Waterblocking Glass Yarns + Tape	
Bulk Cable Weight:		104 kg/km	

SubUnit Specifications

Subunit Diameter:	3.3 mm
Subunit Waterblocking:	Gel Free

Jacket Specifications

Type of Armor:	Corrugated Steel Tape
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Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Black	9.0 mm
Outer Jacket1 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

Maximum Attenuation at 1310 nm:	0.40 dB/km
Maximum Attenuation at 1550 nm:	0.30 dB/km
Maximum Attenuation at 1625 nm:	0.30 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	180 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	180 mm	IEC 60794-3-10

Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2400 N (540 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	800 N (180 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	22 kN/m	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	11 kN/m	IEC 60794-3-10

Temperature Range

Operating Temperature Range:	-30 °C to +55 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-30 °C to +55 °C

Standards

IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-25
Resistance to Fire - Circuit Integrity:	IEC 60331-25-E120 / EN 50200-PH120 ANNEX E
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	10 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
CPR Euroclass:	Dca-s2,d1,a1
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant

History

Update and Revision:	Revision Number: 0.8 Revision Date: 12-08-2025
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