



Product: [GUCMOI16](#) 

Universal OFC CLT (gel-free tube): GLASS YARNS + CST + LSZH with 1 gel-free Tube of Ø3.3mm 16f SM OS2 G.657.B3. (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 16 fibers SM OS2 G.657.B3. (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.B3	16	TIA coding (Gxxxxxx.T): Natural

Fiber Color Code:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR
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
----------------	-----------------------

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: 0.6 Revision Date: 12-15-2025
----------------------	--

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.