



**Product:** [GUCBE02](#)

**Life Cycle Status:** Discontinued

**Universal OFC : GLASS YARNS + CST + LSZH with 1 Tube of Ø4.2mm 2f MM OM4. CPR Dca.**

**Product Description**

Universal (Indoor/Outdoor) optical fiber 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 Tube with a diameter of 4.2mm with 2 fibers MM OM4. CPR Euroclass Dca.

**Technical Specifications**

**Product Overview**

Construction Type:	Central Loose Tube
Environmental Space:	Indoor/Outdoor - Euroclass Dca
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 trenches and/or tubes. Suitable for Direct Burial.

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count	Subunit Color
OM4	2	TIA coding (Gxxxxxx.T): Natural
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange	
Cable Core Water Tight:	Yes	
Cable Core Waterblocking:	Waterblocking Glass Yarns + Tape	
Bulk Cable Weight:	148 kg/km	

**SubUnit Specifications**

Number of Active Subunits:	1
Number of Subunit Positions:	1
Fibers Per Subunit:	2
Subunit Diameter:	4.2 mm
Subunit Waterblocking:	Gel Filled

**Jacket Specifications**

Number of Jackets:	Single Jacket
Type of Armor:	Corrugated Steel Tape

**Outer Jacket Specifications**

**Outer Jacket**

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	10.6 mm	Yes
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:	2.9 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	212 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	212 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	4350 N (978 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1450 N (326 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 +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
IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-22
Resistance to Fire - Circuit Integrity:	IEC 60331-25-E120 / EN 50200-PH120
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
IEC 61034-2 - Smoke Density Min. Transmittance:	60%
CPR Euroclass:	Dca-s2,d1,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
Safety Listing:	LUL 1-085
UV/ Sunlight Protection:	Yes

History

Update and Revision:	Revision Number: 0.50 Revision Date: 03-19-2025
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