

Product: GUSL812

Universal OFC CLT (LU S1085 A4): GLASS YARNS(1500N) + LSZH with 1 Tube of Ø3.3mm (OD 6.5mm) 12f SM OS2 G.652.D & G.657.A1. CPR Dca.

Product Description

Universal (Indoor/Outdoor) optical fiber (London Underground Certified; LU S1085 A4) Central Loose Tube cable with glass yarns (standard rodent protection) as strength member and Low Smoke Zero Halogen outer jacket. Product feature: This cable has standard rodent protection by glass yarns. Existing out of 1 Tube with a diameter of 3.3mm and cable diameter of 6.5mm with 12 fibers SM OS2 G.652.D & G.657.A1. CPR Euroclass Dca.

Technical Specifications

Product Overview

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. The cable has been designed to meet the requirements of LUL 1-085 standard.

Fiber Specifications

Fiber Type:	OS2
Fiber Grade Acc to ITU-T:	G.652D & G.657A1
Fiber Count:	12
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	3.3 mm
Subunit Color:	TIA coding (Gxxxxxx.T): Natural
Cable Core Water Blocking:	Waterblocking Glass Yarns

Outer Jacket Specifications

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	6.5 mm (0.26 in)

Optical Characteristics

Wavelength	1310 nm	1550 nm	1625 nm
Max. Attenuation	0.39 dB/km	0.24 dB/km	0.29 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	130 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	65 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1500 N (340 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	500 N (110 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
Waterblocking	IEC 60794-1-22-F5		

Bulk Cable Weight:	48 kg/km (32 lbs/1000ft)

Temperature Range

Installation Temperature Range:	-5 °C to +40 °C
Operating Temperature Range:	-5 °C to +40 °C
Storage Temperature Range:	-5 °C to +40 °C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-25
CPR Compliance:	CPR Euroclass: Dca-s2,d1,a1; CPR UKCA Class: Dca-s2,d1,a1
ISO/IEC Compliance:	IEC 60794ISO/IEC 11801-1
European Halogen Free Standards:	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%
UK Regulation Compliance:	UKCA Mark
Other Standard Compliance(s):	LUL 1-085

History

Update and Revision:	Revision Number: 0.220 Revision Date: 09-26-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
GUSL812.T34100	Orange	Reel	4,100 m	8719605226709
GUSL812.T32100	Orange	Reel	2,100 m	8719605227348
GUSL812.012100	Yellow	Reel	2,100 m	8719605128256
GUSL812.014100	Yellow	Reel	4,100 m	8719605082817
GUSL812.T42100	Yellow	Reel	2,100 m	8719605234711

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