



**Product:** [GLRE896](#)

Universal (LU S1085 A4) OFC MLT: GLASS YARNS + LSZH with 8 Tubes of Ø1.9mm 96f SM OS2 G.652.D & G.657.A1. CPR Eca.

## Product Description

Universal (Indoor/Outdoor) dry core (London Underground Certified; LU S1085 A4) optical fiber Multi Loose Tube cable with glass yarns as strength member and Low Smoke Zero Halogen outer jacket. Product feature: This cable has rodent protection by glass yarns and London Underground Ltd. Certification (according LU S1085 A4). Existing out of 8 tubes with a diameter of 1.9mm with 96 fibers (8t x 12f) SM OS2 G.652.D & G.657.A1. CPR Euroclass Eca.

## Technical Specifications

### Product Overview

Construction Type:	Multi Loose Tube
Environmental Space:	Indoor/Outdoor - Euroclass Eca
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.652D & G.657A1	96	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua		
Central Strength Member:	GRP		
Cable Core Water Tight:	Yes		
Cable Core Waterblocking:	Waterblocking Glass Yarns + Tape		
Bulk Cable Weight:	193 kg/km		

### SubUnit Specifications

Number of Active Subunits:	8
Number of Subunit Positions:	8
Fibers Per Subunit:	12
Subunit Diameter:	1.9 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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	13.0 mm	Yes

Table Notes: Standard color: Orange. Available colors: Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Black, Lime Green

### Optical Characteristics

Max. Attenuation at 1310 nm:	0.39 dB/km
Max. Attenuation at 1550 nm:	0.24 dB/km

Max. Attenuation at 1625 nm:	0.29 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	260 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	260 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	4650 N (1045 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1550 N (348 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

### Temperature Range

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

### Standards

UL Rating/Flame Test:	Non-UL Rated
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-24
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:	Eca
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (RoHS 2):	Compliant
Safety Listing:	LUL 1-085
UV/ Sunlight Protection:	Yes

### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
GLRE896.004100	Orange	Reel	4,100 m	8719605076007

### History

Update and Revision:	Revision Number: 0.127 Revision Date: 12-21-2023
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