



**Product:** [GUCB806](#)

Universal OFC : GLASS YARNS + CST + LSZH with 1 Tube of Ø4.2mm 6f SM OS2 G.652.D & G.657.A1. 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 6 fibers SM OS2 G.652.D & G.657.A1. 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 Grade acc. ITU-T   | Fiber Count | Subunit Color                  |
|---------------------------|--|-------------|--------------------------------|
| OS2                       | G.652D & G.657A1   | 6           | TIA coding (Gxxxxx.T): Natural |
| Fiber Color Coding:       | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White |             |                                |
| 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:          | 6          |
| 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 1310 nm: | 0.39 dB/km |
| Max. Attenuation at 1550 nm: | 0.24 dB/km |
| Max. Attenuation at 1625 nm: | 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  | 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                          |
| 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           |
|----------------|-------|-------------|---------|---------------|
| GUCB806.002100 | Black | Reel        | 2,100 m | 8719605079596 |
| GUCB806.004100 | Black | Reel        | 4,100 m | 8719605079602 |

### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.160 Revision Date: 12-14-2023 |
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