



**Product:** [GOCN216](#)

Outdoor OFC CLT (jelly filled): GLASS YARNS + CST + PE with 1 Tube of Ø3.3mm 16f MM OM2.

## Product Description

Outdoor optical fiber Central Loose Tube (jelly filled tube) cable with glass yarns as strength member, Corrugated Steel Tape (Full Rodent Protected) armor and polyethylene 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 3.3mm with 16 fibers MM OM2.

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Construction Type:     | Central Loose Tube  |
| Environmental Space:   | Outdoor   |
| 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 Count   | Subunit Color                  |
|---------------------------|---|--------------------------------|
| OM2                       | 16  | TIA coding (Gxxxxx.T): Natural |
| Fiber Color Coding:       | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR |                                |
| Cable Core Water Tight:   | Yes   |                                |
| Cable Core Waterblocking: | Waterblocking Glass Yarns + Tape  |                                |
| Bulk Cable Weight:        | 81 kg/km  |                                |

### SubUnit Specifications

|                              |            |
|------------------------------|------------|
| Number of Active Subunits:   | 1          |
| Number of Subunit Positions: | 1          |
| Subunit Diameter:            | 3.3 mm     |
| Subunit Waterblocking:       | Gel Filled |

### Jacket Specifications

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

### Outer Jacket Specifications

#### Outer Jacket

| Material          | Color | Nominal Diameter  | Ripcord |
|-------------------|-------|---|---------|
| PE - Polyethylene | Black | 9.0 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  | 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 +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 |
| REACH:                            | Compliant    |
| ISO/IEC Compliance:               | IEC 60794    |
| EU Directive 2011/65/EU (RoHS 2): | Compliant    |
| UV/ Sunlight Protection:          | Yes          |

### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.71 Revision Date: 11-09-2022 |
|----------------------|---|

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