



**Product:** [GQCMC24](#)

Universal OFC CLT (gel-free tube): GLASS YARNS + CST + LSZH (HIGH TEMP) with 1 gel-free Tube of Ø3.3mm 24f MM OM5.

Product Description

Universal (Indoor/Outdoor) high installation temperature optical fiber Central Loose Tube (gel-free tube) 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 gel-free Tube with a diameter of 3.3mm with 24 fibers MM OM5.

Technical Specifications

Product Overview

|                        |                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction Type:     | Central Loose Tube                                                                                                                                                                                                                                                                                                                                    |
| 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                   |
|------------|-------------|---------------------------------|
| OM5        | 24          | TIA coding (Gxxxxxx.T): Natural |

|                            |                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fiber Color Code:          | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR, GY, WT, RD, BK, YL, VT, PK, AQ |
| Cable Core Water Tight:    | Yes                                                                                                                                                                    |
| Cable Core Water Blocking: | Waterblocking Glass Yarns + Tape                                                                                                                                       |
| Bulk Cable Weight:         | 104 kg/km                                                                                                                                                              |

SubUnit Specifications

|                              |          |
|------------------------------|----------|
| Number of Active Subunits:   | 1        |
| Number of Subunit Positions: | 1        |
| Fibers Per Subunit:          | 24       |
| Subunit Diameter:            | 3.3 mm   |
| Subunit Waterblocking:       | Gel Free |

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) | 9.0 mm           | Yes     |

|                            |                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer Jacket1 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

|                                 |           |
|---------------------------------|-----------|
| Maximum Attenuation at 1300 nm: | 0.9 dB/km |
| Maximum 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                       |
| 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,d2,a1                       |
| REACH:                                                     | Compliant                          |
| ISO/IEC Compliance:                                        | IEC 60794, ISO/IEC 11801-1         |
| EU Directive 2011/65/EU (RoHS 2):                          | Compliant                          |
| UV/ Sunlight Protection:                                   | Yes                                |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.18 Revision Date: 08-12-2025 |
|----------------------|-------------------------------------------------|

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