



**Product:** [GUBT206](#)

Universal tight buffered breakout cable LSZH jacket 6f MM OM2.

### Product Description

Universal (Indoor/Outdoor) tight buffered breakout cable with Low Smoke Zero Halogen outer jacket. 6 fibers MM OM2.

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Construction Type:     | Breakout   |
| Environmental Space:   | Indoor/Outdoor   |
| 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. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. |

#### Construction

##### Fiber Cable Construction

| Fiber Type | Fiber Count | Subunit Color   |
|------------|-------------|---|
| OM2        | 6           | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White |

|                     |                              |
|---------------------|------------------------------|
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue |
|---------------------|------------------------------|

##### Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material                                 | Buffer Diameter |
|------------|---------------------|---|-----------------|
| OM2        | Tight               | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm          |

|                           |                 |
|---------------------------|-----------------|
| Central Strength Member:  | GRP             |
| Cable Core Water Tight:   | Yes             |
| Cable Core Waterblocking: | Waterblock Tape |
| Bulk Cable Weight:        | 59 kg/km        |

#### SubUnit Specifications

|                              |                      |
|------------------------------|----------------------|
| Number of Active Subunits:   | 6                    |
| Number of Subunit Positions: | 6                    |
| Fibers Per Subunit:          | 1                    |
| Subunit Diameter:            | 2.1 mm               |
| Subunit Waterblocking:       | Waterblocking Aramid |

#### 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) | 8.0 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 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  | 160 mm            | IEC 60794-2-20                    |
| Cable Min. Bend Radius Operation (Long Term)          | IEC 60794-1-21-E11 | 80 mm             | IEC 60794-2-20                    |
| Cable Max. Tensile Strength Installation (Short Term) |                    | 590 N (133 lbf)   | IEC 60794-2-20                    |
| Cable Max. Tensile Strength Operation (Long Term)     | IEC 60794-1-21-E1  |                   |                                   |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3  | 5 kN/m            | IEC 60794-2-20                    |
| Cable Max. Crush Resistance Operation (Long Term)     | IEC 60794-1-21-E3  | 3 kN/m            | IEC 60794-2-20                    |

## 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              |
| 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%                        |
| 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: 0.50 Revision Date: 09-17-2024 |
|----------------------|---|

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