



Product: [GIMTI36](#)

Indoor tight buffered distribution cable LSZH jacket 36f SM OS2 G.657.B3.

Product Description

Indoor tight buffered optical fiber distribution cable with Low Smoke Zero Halogen outer jacket. 36 fibers SM OS2 G.657.B3.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Distribution |
| Environmental Space: | Indoor - Euroclass Dca |
| Suitable Applications: | For indoor use in structured (premises) wiring systems: building backbone (riser) and/or horizontal cabling (Fibre To The Desk). Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Easy to install in ducts and tunnels. Not suitable for blown installation. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Grade acc. ITU-T | Fiber Count |
|------------|------------------------|-------------|
| OS2 | G.657B3 | 36 |

| | |
|---------------------|--|
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |
|---------------------|--|

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|------------|---------------------|---|-----------------|
| OS2 | Tight | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm |

| | |
|---------------------------|----------------------------|
| Central Strength Member: | GRP |
| Cable Core Water Tight: | No |
| Cable Core Waterblocking: | Waterblocking Aramid Yarns |
| Bulk Cable Weight: | 249 kg/km |

SubUnit Specifications

| | |
|------------------------------|----------------------------|
| Number of Active Subunits: | 3 |
| Number of Subunit Positions: | 4 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 6.1 mm |
| Subunit Waterblocking: | Waterblocking Aramid Yarns |

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) | 17.3 mm | No |

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|--------------|--|
| 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

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|------------------------------|------------|
| Max. Attenuation at 1310 nm: | 0.40 dB/km |
| Max. Attenuation at 1550 nm: | 0.30 dB/km |
| Max. Attenuation at 1625 nm: | 0.30 dB/km |

Mechanical Characteristics

Mechanical Tests

| Description | Tested Standard | Requirement/Value | According to Family Specification |
|---|-------------------|-------------------|-----------------------------------|
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 2700 N (607 lbf) | IEC 60794-2-20 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 900 N (202 lbf) | |
| 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: | -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 |
| IEC Flammability: | IEC 60332-1-2 |
| 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: | Dca-s1,d1,a1 |
| REACH: | Compliant |
| ISO/IEC Compliance: | IEC 60794-1-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | Yes |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.84 Revision Date: 06-05-2024 |
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