



Product: [GUSKCF01](#)

Universal bare fiber mini fiber cable with glass yarns as strength member and standard rodent protection. LSZH jacket 1f SM OS2 G.657.A2. CPR Cca.

Product Description

Universal (Indoor/Outdoor) bare fiber mini optical fiber cable with glass yarns as strength member and standard rodent protection. with Low Smoke Zero Halogen outer jacket. 1 fiber SM OS2 G.657.A2. CPR Euroclass Cca.

Technical Specifications

Product Overview

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|------------------------|--|
| Suitable Applications: | For indoor and outdoor 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. |
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Fiber Specifications

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|-------------------------|-----------------------------|
| Fiber Type: | OS2 |
| Fiber Grade acc. ITU-T: | G.657.A2 |
| Fiber Count: | 1 |
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue |

Cable Construction

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|---------------------------|----------------------|
| Subunit Waterblocking: | Waterblocking Aramid |
| Cable Core Waterblocking: | Aramid Yarn |

Inner Jacket Specifications

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| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
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Outer Jacket Specifications

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| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 4.3 mm (0.17 in) |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm | 1625 nm |
|------------------|------------|------------|------------|
| Max. Attenuation | 0.50 dB/km | 0.30 dB/km | 0.51 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 | 86 mm | IEC 60794-2-20 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 43 mm | IEC 60794-2-20 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 1200 N | IEC 60794-2-20 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 400 N | IEC 60794-2-20 |
| 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 |
| Cable Impact Resistance | IEC 60794-1-21-E4 | 10.0 J, 300 mm Radius, 3 Impacts | IEC 60794-2-20 |
| Waterblocking | IEC 60794-F5 | Pass | |

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|--------------------|--------------------------|
| Bulk Cable Weight: | 20 kg/km (13 lbs/1000ft) |
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Temperature Range

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|----------------------------------|-------------------|
| Installation Temperature Range: | 0 °C to +50 °C |
| Operating Temperature Range: | -10 °C to +55 °C |
| Storage Temperature Range: | -10 °C to +55 °C |
| Temperature Range Test Standard: | IEC 60794-1-22-F1 |

Standards and Compliance

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|----------------------------------|--|
| Environmental Suitability: | Indoor/Outdoor - Euroclass Cca, Indoor, UV Resistance |
| Flammability / Reaction to Fire: | IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Cca-s1,d1,a1 |
| ISO/IEC Compliance: | IEC 60794ISO/IEC 11801-1, IEC 61034-2 - Smoke Density Min Transmittance = 60% |
| European Halogen Free Standards: | 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 |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2) |

History

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| Update and Revision: | Revision Number: 0.3 Revision Date: 06-11-2025 |
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