



Product: [GUSN808](#) 

Indoor/Outdoor Central Loose Tube 08 Fibers G.652D/G.657A1-OS2

Product Description

Universal (Indoor/Outdoor) Rodent Protection Central Loose Tube Optical Cable 08 x 9/125-G.652D/G.657A1-OS2 A/I-DQ(ZN)BH

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Construction Type: | Central Loose Tube |
| Environmental Space: | Indoor/Outdoor - Euroclass Dca |
| 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/or tubes. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Grade acc. ITU-T | Fiber Count | Subunit Color | Subunit Color 2 |
|------------|------------------------|-------------|---------------------------------|------------------------------------|
| OS2 | G.652D & G.657A1 | 8 | TIA coding (Gxxxxxx.T): Natural | Europe coding (Gxxxxxx.0): Natural |

| | |
|----------------------------|--|
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black |
| Fiber Color Coding 2: | Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black |
| Cable Core Water Tight: | Yes |
| Cable Core Water Blocking: | Waterblocking Glass Yarns |
| Bulk Cable Weight: | 37 kg/km |

SubUnit Specifications

| | |
|------------------------------|------------|
| Number of Active Subunits: | 1 |
| Number of Subunit Positions: | 1 |
| Fibers Per Subunit: | 8 |
| Subunit Diameter: | 3.3 mm |
| Subunit Waterblocking: | Gel Filled |

Jacket Specifications

| | |
|--------------------|---------------|
| Number of Jackets: | Single Jacket |
| Type of Armor: | Non-Armored |

Outer Jacket

Outer Jacket Material

| Material | Nominal Diameter | Ripcord |
|---|------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 5.8 mm | 0 |

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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|-----------------------------|------------|
| Fiber Core Diameter: | 9 µm |
| Max Attenuation at 1310 nm: | 0.40 dB/km |
| Max Attenuation at 1550 nm: | 0.24 dB/km |

| | |
|-----------------------------|------------|
| Max Attenuation at 1625 nm: | 0.29 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 | 116 mm | IEC 60794-3-10 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 58 mm | IEC 60794-3-10 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 1250 N (281 lbf) | IEC 60794-3-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 420 N (94 lbf) | IEC 60794-3-10 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 15 kN/m | IEC 60794-3-10 |
| Cable Max. Crush Resistance Operation (Long Term) | IEC 60794-1-21-E3 | 7.5 kN/m | IEC 60794-3-10 |

Temperature Range

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|--------------------------|------------------|
| Operating Temp Range: | -30 °C to +70 °C |
| Installation Temp Range: | -5 °C to +50 °C |
| Storage Temp Range: | -30 °C to +70 °C |

Standards

| | |
|--|---------------|
| UL Rating/Flame Test: | Non-UL Rated |
| IEC Flammability: | IEC 60332-1-2 |
| IEC 60754-1 (EN50267-1)- Halogen Amount: | Zero |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: | 10 µS/mm |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: | 4.3 |
| IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance: | 60% |
| CPR Euroclass: | Dca-s2,d1,a1 |
| REACH: | Compliant |
| IEC Compliance: | IEC 60794 |
| EU Directive 2011/65/EU (ROHS II): | Compliant |
| UV/ Sunlight Protection: | yes |

Part Number

Variants

| Item # | Color | Length |
|----------------|--------|---------|
| GUSN808.012100 | Black | 2,100 m |
| GUSN808.014100 | Black | 4,100 m |
| GUSN808.002100 | Orange | 2,100 m |
| GUSN808.004100 | Orange | 4,100 m |
| GUSN808.022100 | Yellow | 2,100 m |
| GUSN808.024100 | Yellow | 4,100 m |

History

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| Update and Revision: | Revision Number: 0.71 Revision Date: 01-04-2021 |
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