



Product: [GIPSAC1](#)

Indoor semi-tight buffered patchcord LSZH jacket 2.0mm simplex SM OS2 G.652.D & G.657.A1.

Product Description

Indoor semi-tight buffered patchcord with Low Smoke Zero Halogen outer jacket. 2.0mm simplex SM OS2 G.652.D & G.657.A1.

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Construction Type: | Interconnect |
| Environmental Space: | Indoor (Not Riser or Plenum) |
| Suitable Applications: | Flexible terminating leads such as pigtailed, patchcords and test leads. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Short distance applications for indoor use. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Grade acc. ITU-T | Fiber Count |
|------------|------------------------|-------------|
| OS2 | G.652D & G.657A1 | 1 |

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

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|------------|---------------------|-------------------------------|-----------------|
| OS1 | Semi-Tight | LSZH - Low Smoke Zero Halogen | 0.9 mm |

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|-------------------------|-----|
| Cable Core Water Tight: | Yes |
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|--------------------|-----------|
| Bulk Cable Weight: | 4.3 kg/km |
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Jacket Specifications

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|--------------------|---------------|
| 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) | 2 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 |
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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 Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 60 mm | IEC 60794-2-10 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 225 N (51 lbf) | IEC 60794-2-10 |

| | | | |
|---|-------------------|---------------|----------------|
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 75 N (17 lbf) | IEC 60794-2-10 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 5 kN/m | IEC 60794-2-10 |

Temperature Range

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|---------------------------------|------------------|
| Operating Temperature Range: | -40 °C to +70 °C |
| Installation Temperature Range: | -15 °C to +50 °C |
| Storage Temperature Range: | -40 °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 |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|----------------|--------|-------------|---------|---------------|
| GIPSAC1.004100 | Yellow | Reel | 4,100 m | 8719605075499 |

History

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| Update and Revision: | Revision Number: 0.161 Revision Date: 09-17-2024 |
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