



Product: [GIPS1ER](#)



Indoor semi-tight buffered patchcord LSZH jacket 2.8mm round DX MM OM1.

Product Description

Indoor semi-tight buffered patchcord with Low Smoke Zero Halogen outer jacket. 2.8mm round duplex MM OM1.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Interconnect |
| Environmental Space: | Indoor (Not Riser or Plenum) |
| Suitable Applications: | Flexible terminating leads such as pigtails, 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 Count |
|------------|-------------|
| OM1 | 2 |

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

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|------------|---------------------|-------------------------------|-----------------|
| OM1 | 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: | 7.95 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) | 2.8 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 1300 nm: | 0.9 dB/km |
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|-----------------------------|-----------|
| Max. Attenuation at 850 nm: | 3.4 dB/km |
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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 | 300 N (67 lbf) | IEC 60794-2-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 100 N (22 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 |

History

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| Update and Revision: | Revision Number: 0.53 Revision Date: 09-17-2024 |
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