



Product: [GIPTEH1](#)

Indoor tight buffered patchcord LSZH jacket 2.1mm simplex MM OM4.

Product Description

Indoor tight buffered patchcord with Low Smoke Zero Halogen outer jacket. 2.1mm simplex MM OM4.

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 Count |
|------------|-------------|
| OM4 | 1 |

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

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|------------|---------------------|---|-----------------|
| OM4 | Tight | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm |

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|-------------------------|-----|
| Cable Core Water Tight: | Yes |
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|--------------------|-----------|
| Bulk Cable Weight: | 4.4 kg/km |
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SubUnit Specifications

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|---------------------|---|
| Fibers Per Subunit: | 1 |
|---------------------|---|

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) | 2.1 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: | 2.9 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 | 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 |
| Reaction to Fire - Bundle Flame Test: | 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 60794-1-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | Yes |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.33 Revision Date: 04-10-2024 |
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