



**Product:** [GIOT1G1](#)

Indoor tight buffered pigtail LSZH jacket Colored fiber for pigtail Simplex MM OM1.

## Product Description

Indoor tight buffered pigtail with Low Smoke Zero Halogen outer jacket. Colored fiber for pigtail Simplex 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        | 1           |

#### Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material                                 | Buffer Diameter |
|------------|---------------------|---|-----------------|
| OM1        | Tight               | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm          |

|                    |            |
|--------------------|------------|
| Bulk Cable Weight: | 0.67 kg/km |
|--------------------|------------|

### Jacket Specifications

|                    |               |
|--------------------|---------------|
| 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) | 0.9 mm           | No      |

|              |  |
|--------------|--|
| 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

|                              |           |
|------------------------------|-----------|
| Max. Attenuation at 1300 nm: | 0.9 dB/km |
| Max. Attenuation at 850 nm:  | 3.4 dB/km |

### Mechanical Characteristics

#### Mechanical Tests

| Description   | Tested Standard   | Requirement/Value |
|---|-------------------|-------------------|
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 3 N (1 lbf)       |
| Cable Max. Tensile Strength Operation (Long Term)     | IEC 60794-1-21-E1 | 1 N (0 lbf)       |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 0.5 kN/m          |

### Temperature Range

|                                 |                  |
|---------------------------------|------------------|
| 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 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                        |
| REACH:   | Compliant                  |
| ISO/IEC Compliance:  | IEC 60794, ISO/IEC 11801-1 |
| EU Directive 2011/65/EU (RoHS 2):                          | Compliant                  |
| UV/ Sunlight Protection:                                   | Yes                        |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.52 Revision Date: 09-17-2024 |
|----------------------|---|

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