



**Product:** [GIOSI01](#)

Indoor semi-tight buffered pigtail LSZH jacket 1f SM OS2 G.657.B3.

## Product Description

Indoor semi-tight buffered pigtail with Low Smoke Zero Halogen outer jacket. 1 fiber SM OS2 G.657.B3.

## 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 Grade acc. ITU-T	Fiber Count
OS2	G.657B3	1

#### Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OS2	Semi-Tight	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm

Bulk Cable Weight:	0.67 kg/km
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### 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
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### Optical Characteristics

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

## History

Update and Revision:	Revision Number: 0.45 Revision Date: 01-20-2023
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