



Product: [GIOSAG1](#)

Indoor semi-tight buffered pigtail LSZH jacket Colored fiber for pigtail Simplex SM OS2 G.652.D & G.657.A1.

Product Description

Indoor semi-tight buffered pigtail with Low Smoke Zero Halogen outer jacket. Colored fiber for pigtail 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 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.652D & G.657A1	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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
GIOSAG1.002100	Black	Reel	2,100 m	8719605074713
GIOSAG1.102100	Blue	Reel	2,100 m	8719605074812
GIOSAG1.042100	Brown	Reel	2,100 m	8719605074751
GIOSAG1.082100	Gray	Reel	2,100 m	8719605074799
GIOSAG1.052100	Green	Reel	2,100 m	8719605074768
GIOSAG1.062100	Orange	Reel	2,100 m	8719605074775
GIOSAG1.092100	Pink	Reel	2,100 m	8719605074805
GIOSAG1.072100	Red	Reel	2,100 m	8719605074782
GIOSAG1.112100	Turquoise	Reel	2,100 m	8719605074829
GIOSAG1.032100	Violet	Reel	2,100 m	8719605074744
GIOSAG1.012100	White	Reel	2,100 m	8719605074720
GIOSAG1.022100	Yellow	Reel	2,100 m	8719605074737

History

Update and Revision:	Revision Number: 0.133 Revision Date: 01-19-2023
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