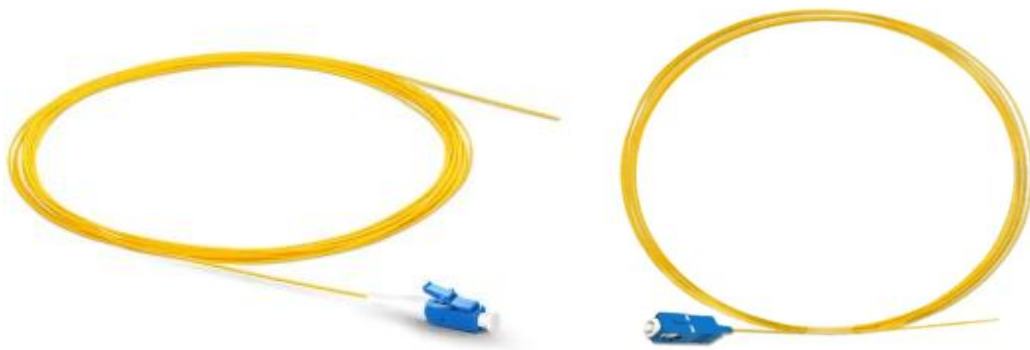


# Fiber Optic Pigtail

## Single Mode



**Genius** Fiber Optic Pigtail assemblies are used for terminating fiber optic cables via fusion or mechanical splicing inside Fiber Panel or LIU. High-quality pigtails combined with correct fusion splicing practices offer the best performance possible for fiber optic cable terminations.

Factory-based assembly and machine connector polishing ensure excellent performance and durability. All pigtails are inspected and loss tested using standards-based testing procedures.

## Key Features

- Connector ferrule is made of Zirconia
- Cable construction: 0.9mm Bend Insensitive simplex cable LSZH
- Completely dry design (without gel)
- LSZH Compliance IEC 61034, I EC 60754-1/2, IEC 60754-2
- RoHS v3 Compliant
- Genius Network Brand Performance Warranty for 25 years

## Product Specification

Fiber Type	SM - G657 A2
Fiber Count	1 Nos
Buffer Type	Tight Buffer
Buffer Diameter	0.9±0.1 mm
Core Cladding Diameter	9/125 um
Cable Jacket Color	Yellow
Jacket Material	LSZH
Available Connector Variant	LC & SC
Polishing Type	UPC
Connector Ferrule Material	Zirconia Ceramic
Connector Housing Color	Blue
Connector Boot Color	White for LC & Blue for SC
Pigtail Length (Standard)	1M / 2M / 3M
Min Beending Radius - Static	10D
Min Beending Radius - Dynamic	20D
Max. Tension strength - long term	3 N
Max. Tension strength - short term	6 N
Crush resistance	100 N/10 cm

## Performance Specification

Operating Wavelength	1310 nm & 1550 nm
Max Attenuation of Pigtail Cable	≤ 0.36 dB/Km @1310 nm ≤ 0.22 dB/Km @ 1550 nm
Connector Insertion Loss	≤ 0.20 dB
Connector Return Loss	≥ 50 dB
Durability - ΔIL(dB)	≤ 0.20 dB @ 500 Cycle

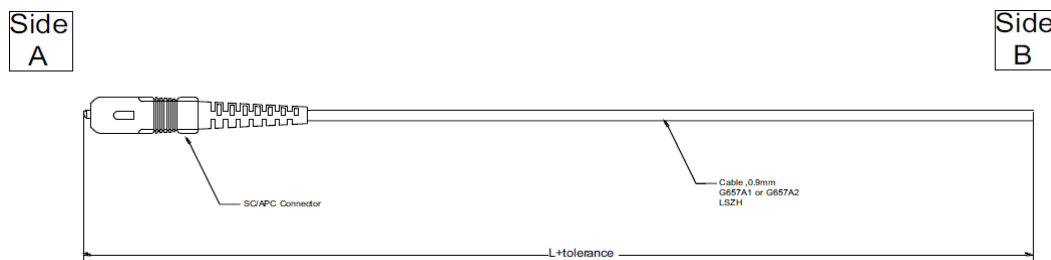
## Environmental Specification

Operation temperature	-20 °C to +60 °C
Storage temperature	-25 °C to +70 °C
Installation temperature	-5 °C to +50 °C

## Standards, Certifications & Compliances

- RoHS v3 Compliant
- Compliance with ANSI/TIA-568-C.3, ANSI/TIA-568.3-D, ANSI/TIA-568.3-E, ISO/IEC 11801 & EN50173
- Compliance with Flammability Test - IEC 60332-1
- Compliance with Acid Gas Test Method - IEC 60754-1/2, IEC 60754-2
- Compliance with Smoke Density Test - IEC 61034
- Compliance with Minimum concentration of oxygen - ASTM D2863

## Technical Drawing



## Ordering Information

Part Number	Product Description
GFS2PGLCPCLZ01	Genius Fiber Pigtails Single Mode LSZH LC 1mtr
GFS2PGSCPCLZ01	Genius Fiber Pigtails Single Mode LSZH SC 1mtr

Note – Last 2 Digit of part code indicating length of the pigtail

