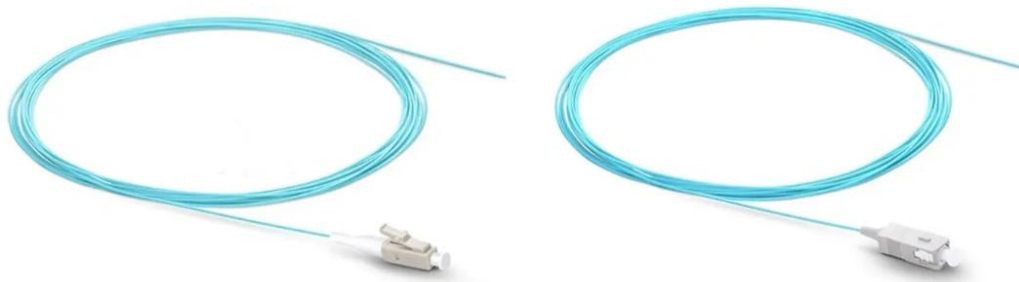


Fiber Optic Pigtail

Multi 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 with 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	MM OM3 / OM4
Fiber Count	1 Nos
Buffer Type	Tight Buffer
Buffer Diameter	0.9 ±0.1 mm
Core Cladding Diameter	50/125 um
Cable Jacket Color	Aqua
Jacket Material	LSZH
Available Connector Variant	LC / SC
Polishing Type	UPC
Connector Ferrule Material	Zirconia Ceramic
Connector Housing Color	Aqua
Connector Boot Color	White for LC & Aqua 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	850 & 1300nm
Max Attenuation of Pigtail Cable	3.0dB/Km @1310nm 1.0dB/Km @ 1550nm
Connector Insertion Loss	≤ 0.20dB
Connector Return Loss	≥ 36dB
Durability - ΔIL(dB)	≤ 0.20 @ 500 Cycle

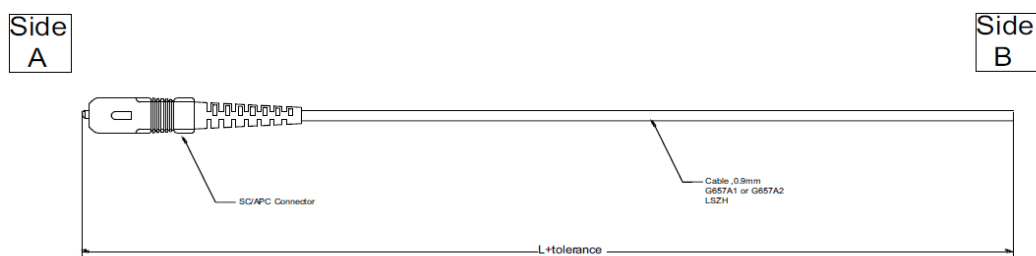
Environmental Specification

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

Standards, Certifications & Compliance

- 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
GFM4PGLCPCLZ01	Genius Fiber Pigtails OM4 LSZH LC 1mtr
GFM4PGSCPCCLZ01	Genius Fiber Pigtails OM4 LSZH SC 1mtr

Note – Last 2 Digit of the part code is indicating length of the product



Note – Any specification in the data sheet including Design, Performance, Measurement and standards may change without prior notice by **Net Gen Innovations Private Limited** as part of continuous Improvement – Always download data sheet from genius-net.com for latest version