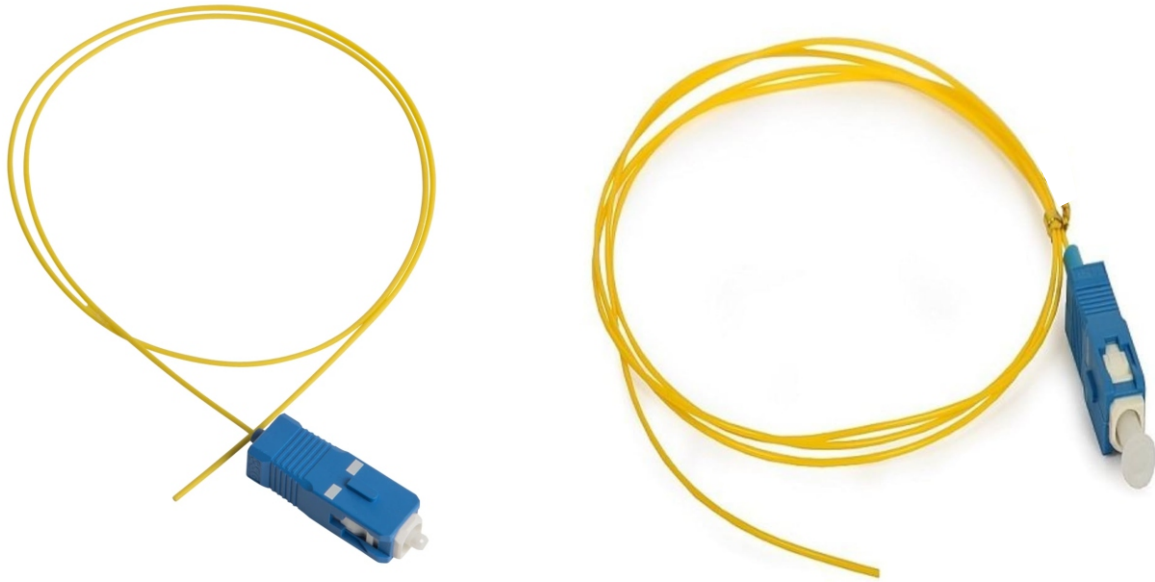


Genius Fiber Optic Pigtail



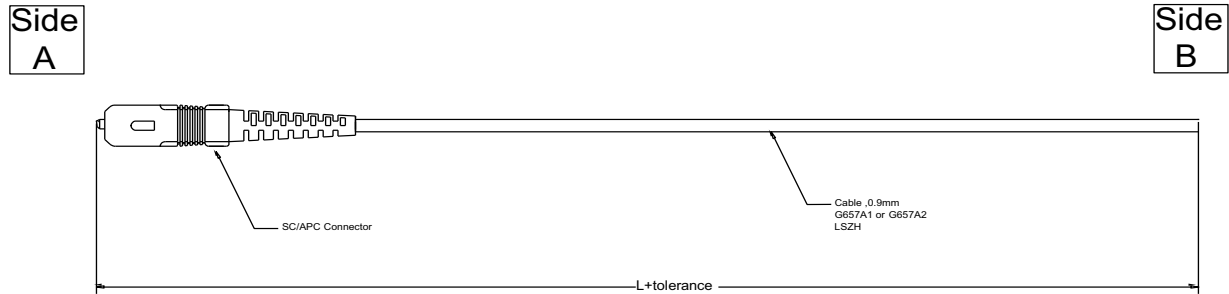
Features

Genius Fibre optic pigtail assemblies are used for terminating fiber optic cables via fusion or mechanical splicing in side 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.

- Connector ferrule is made of Zirconia
- Cable construction: 0.9mm Bend Insensitive simplex cable LSZH
- Color as per Standard for SM, OM3, OM4 & OM5
- Completely dry design (without gel)
- Standard Reference: EIA/TIA, IEC, Telcordia, RoHS Compliant
- TIA/EIA-604-10
- LSZH Compliance IEC 61304, IEC 60754-1/2, IEC 60754-2

Genius Fiber Optic Pigtail



Specifications

Available Variants

Type

SC/UPC- LSZH

LC/UPC- LSZH

Length

1m / 2m / 3m

1m / 2m / 3m

Length (m)

$L \leq 10$

Tolerances (mm)

+100/0

Parts Design

Connector A

Connector	LC	SC
Polish	UPC	UPC
Housing	SM - Blue	SM - Blue
	OM3 - Aqua	OM3 - Aqua
	OM4 - Aqua	OM4 - Aqua
	OM5- Lime Green	OM5- Lime Green
Boot Color	SM - White	SM - Blue
	OM3 - White	OM3 - Aqua
	OM4 - White	OM3 - Aqua
	OM5 - White	OM5-
Jacket Color	SM - Yellow	SM - Yellow
	OM3 - Aqua	OM3 - Aqua
	OM4 - Aqua	OM4 - Aqua
	OM5 - Lime Green	OM5- Lime Green
Keyed	No	No

Genius Fiber Optic Pigtail

Optical Data

Cable

Fiber	SM G657A2 / OM3 / OM4/ OM5
Fiber count	1 fiber / 12 Fibers
Outer diameter	0.9±0.1mm for 1 fiber

Cable attenuation

Fibre Type	Core/Cladding Dia.(um)	wavelength(nm)	Max. Attenuation (dB/km)
G657A2	9/125	1310/1550	0.36/0.22
BI OM3	50/125	850/1300	3.0/1.0
BI OM4	50/125	850/1300	3.0/1.0

Connectors Performance

Connector Type	Insertion Loss	Return Loss
LC/SC MM	< 0.20dB	> 36dB
LC/SC SM	< 0.20dB	> 50dB

Mechanical Data

Min. bending radius

Static	10D
Dynamic	20D

Max. Tension strength

Long term	3N
Short term	6N
Crush resistance	100N/10cm
Durability	500times, the insertion loss change≤0.2dB

Environmental Data

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

Order Information

Number	Description
GFS2PGLCPCLZ01	Genius Fiber Pigtaills Single Mode LSZH LC 1mtr
GFS2PGSCPCLZ01	Genius Fiber Pigtaills Single Mode LSZH SC 1mtr
GFM4PGLCPCLZ01	Genius Fiber Pigtaills OM4 LSZH LC 1mtr
GFM4PGLCPCLZ01	Genius Fiber Pigtaills OM4 LSZH SC 1mtr

Remark:

2 last positions XX are for cord length.