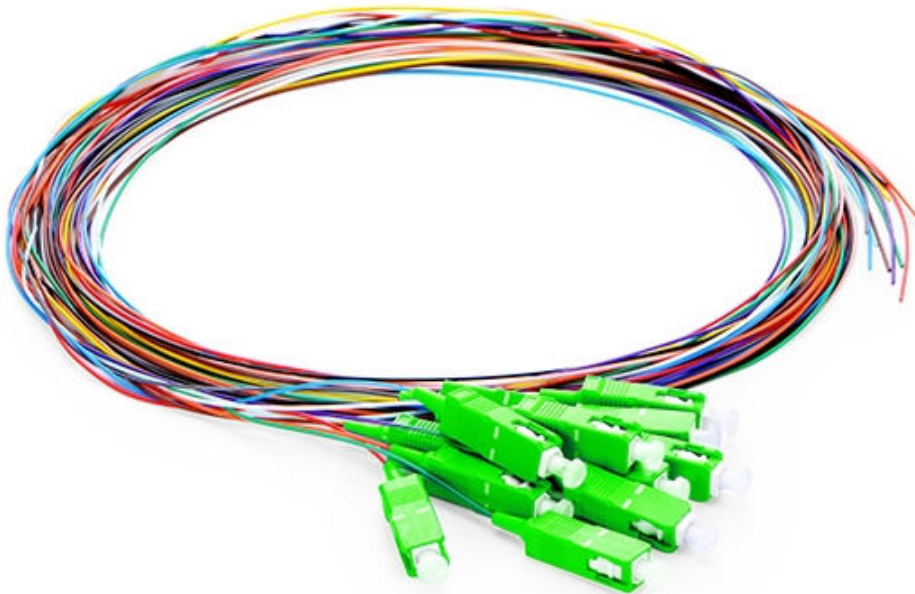


## Optical Fiber Pigtail

### TECHNICAL DATA SHEET

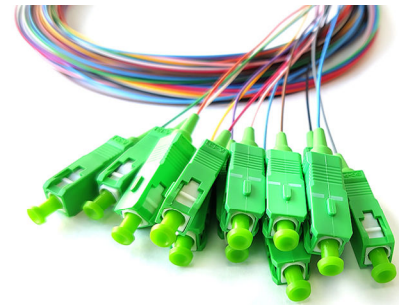
**Pigtail SC - SM APC X meter ITU-T G.657A1 - 12 Colored  
Fiber (Green Connectors)**



## **Pigtail SC - SM APC X meter ITU-T G.657A1 - 12 Colored Fiber (Green Connectors)**

### **Product Description:**

The SC/APC Single-Mode Pigtail is a high-performance fiber optic solution designed for fusion splicing in FTTH, telecom networks, and optical distribution systems. It uses ITU-T G.657.A1 bend-insensitive fiber, making it ideal for tight installation spaces while maintaining excellent signal stability.



The APC (Angled Physical Contact) connector provides superior return loss performance compared to UPC, reducing back reflections in high-sensitivity optical networks.

### **Applications:**

- FTTH (Fiber to the Home) networks
- Telecommunication systems
- Fiber Distribution Frames (ODF)
- Optical Network Terminals (ONT/OLT) installations
- Data centers and server rooms
- CATV (Cable TV) networks
- FTTx infrastructure (FTTB, FTTC, FTTP)
- Fiber splice closures and termination boxes
- Indoor structured cabling systems
- High-performance optical networks requiring low back reflection

## Technical Specifications:

Parameter	Specification
Fiber Type	Single-Mode
Standard	ITU-T G.657.A1
Core/Cladding	9/125 $\mu\text{m}$
Fiber Count	12 Fibers
Color Coding	TIA/EIA-598 Standard (12 Colors)
Connector Type	SC
Polish Type	APC (Angled)
Connector Color	Green
Wavelength	1310 nm / 1550 nm
Insertion Loss	$\leq 0.20$ dB
Return Loss (APC)	$\geq 60$ dB
Buffer Diameter	900 $\mu\text{m}$
Cable Type	Tight Buffer
Minimum Bend Radius	10 mm
Operating Temperature	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
Application	Fusion Splicing / ODF / FTTH

### Benefits:

- Very High Return Loss ( $\geq 60$  dB) for minimal back reflection
- Improved performance in high-sensitivity optical systems
- Bend-Insensitive G.657A1 fiber for tight installation spaces
- Stable signal transmission with low insertion loss ( $\leq 0.20$  dB)
- 12 color-coded fibers for easy identification and management
- Ideal for FTTH, ODF, and telecom networks
- Compatible with standard single-mode (OS2) systems
- Durable SC connector with long service life
- Suitable for fusion splicing applications
- Reliable performance in wide temperature ranges



### Model:

PN	Description
FLOFPTSCG7102	SC Single Mode Fiber Optic Pigtail APC – ITU-T G.657A1 , 12 Fiber
FLOFPTLCG7102	LC Single Mode Fiber Optic Pigtail UPC – ITU-T G.657A1 , 12 Fiber
FLOFPTLCO202	LC Multi Mode Fiber Optic Pigtail UPC OM2 – ITU-T G.651 , 12 Fiber
FLOFPTSCO202	SC Multi Mode Fiber Optic Pigtail UPC OM2 – ITU-T G.651 , 12 Fiber

FLOFPTSCO302	SC Multi Mode Fiber Optic Pigtail UPC OM3 – ITU-T G.651 , 12 Fiber
FLOFPTLCO402	LC Multi Mode Fiber Optic Pigtail UPC OM4– ITU-T G.651 , 12 Fiber
FLOFPTLCO402	FC Multi Mode Fiber Optic Pigtail UPC OM4– ITU-T G.657A1 , 12 Fiber
FLOFPTSTG7102	ST Single Mode Fiber Optic Pigtail UPC – ITU-T G.657A1 , 12 Fiber
FLOFPTFCO202	FC Multi Mode Fiber Optic Pigtail UPC OM2– ITU-T G.651 , 12 Fiber
FLOFPTLCO302	LC Multi Mode Fiber Optic Pigtail UPC OM3 – ITU-T G.651 , 12 Fiber
FLOFPTLCAG7102	LC Single Mode Fiber Optic Pigtail APC – ITU-T G.657A1 , 12 Fiber
FLOFPTSTO202	ST Multi Mode Fiber Optic Pigtail UPC OM2– ITU-T G.651 , 12 Fiber
FLOFPTSTO302	ST Multi Mode Fiber Optic Pigtail UPC OM3– ITU-T G.651 , 12 Fiber