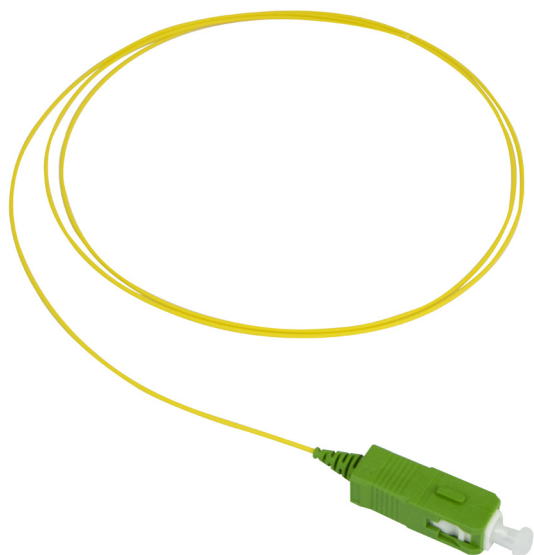


# PIGTAIL SIMPLEX Ø900µm G.657A2



The Telenco® singlemode optical pigtails are fibre optic cables with a connector installed at one end, leaving the other end bare. Accordingly, the end equipped with the connector can be plugged into a patching equipment and the other end can be spliced with fibre optic cables. Pigtails are used to terminate fibre optic cables by using fusion or mechanical splicing applications. The Telenco® singlemode optical pigtails offer optimal performances so to ensure reliable and future-proof networks.

## FEATURES & BENEFITS

- High precision ceramics
- Great interoperability
- Easy to install
- Excellent mechanical and temperature stability

## AVAILABLE CONFIGURATIONS

PARAMETERS	SPECIFICATIONS
Type of connectors	SC/APC ; SC/UPC ; LC/APC ; LC/UPC ; FC/UPC
Fibre type	G.657A2
Number of fibre	1
Cable diameter	0.9 ± 0.05mm
Cable length	0.8 to 2.5m
Cable colour	Orange™ Colour code
Boot	Short boot

## MECHANICAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Crush resistance (IEC 60794-1-21E3A)	Load: 100 N
Static bend (IEC 60794-1-21E11A)	Bending radius: 15 mm
Resistance to repeated bending (IEC 60794-1-21-E6)	Bending radius: 15 mm Load: 5 N
Kink (IEC 60794-1-21E10)	Bending radius: 5 mm
Fiber/cable retention (IEC 61300-2-4)	Load: 7 N ; Duration: 60 s ; Speed: 0.5 N/s
Torsion (IEC 61300-2-5)	Load: 2 N ; Duration: 25 cycles
Vibration (IEC 61300-2-1)	Frequency: 10 – 55 Hz Amplitude: 0.75 mm 15 scans, 10-55-10 Hz Duration: 30min, 3 axes (x, y, z)
Impact (IEC 61300-2-12)	Drop height: 1.5 m Number of falls: 5 fois
Mating durability (IEC 61300-2-2)	500 cycles
Tensile strength of coupling mechanism (IEC 61300-2-6)	Load: 40 N ; Duration : 60s ; Speed: 5 N/s

## TECHNICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
Connector material	Body: thermoplastic / Ferrule: Zirconia
Cable material	LSZH (Low Smoke Zero Halogen)
IEC-61300	100 % compliant
Insertion Loss (IL)	Grade B ≤ 0.12 dB on average and ≤ 0.25 dB max for 97% of connections
Return Loss (RL)	≥ 60 dB
Mechanical tests	Δ IL ≤ 0.20 dB
Environmental tests	Δ IL ≤ 0.20 dB
Temperature	Operation, transport and storage: -40 °C / +75 °C

## ENVIRONMENTAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Accelerated ageing by storage (IEC 61300-2-18)	Temperature: 70 °C ; Duration : 336 h
Change of temperature (NF EN 61300-2-22)	Temperature : from -25 °C to +75 °C
Dust (IEC 61300-2-27)	Concentration: 10.6 g/m <sup>3</sup> ± 7.1 g /m <sup>3</sup> , d < 150 µm
Durability by water immersion (IEC 61300-2-45)	Temperature : +25 °C ± 2 °C ; Duration : 1h RH : 25%–75%

## IDENTIFICATION & TRACEABILITY

PARAMETERS	SPECIFICATIONS
IL/RL conformity	For each pigtail, informations visible on the label
Labeling	Identification and traceability of each pigtail:  Designation example : <b>Pigtail SX SC/APC Ø0.9mm G.657A2 Yellow Lg 2.5m</b>
	Part Number : Telenco product reference Batch Number : TN WW/YY (Production week/ Production year) QTY : Quantity of product per package
	IL/RL conformity