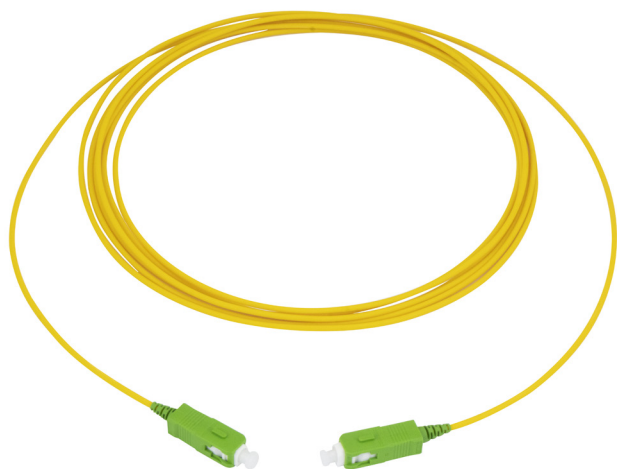


PATCHCORD SIMPLEX Ø1.6–2.0mm G.657A2



Telenco® has the knowhow and expertise in the development of optical materials for telecommunication applications to provide a solution for optical patchcords that can withstand harsh environments, while maintaining a lightweight but highly durable structure. Telenco® optical patchcords are mainly used in telecom networks. They guarantee optimal performance that 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 ; SC secured ; SC with permanent protection
Fibre type	G.657A2
Number of fibre	1
Cable diameter	1.6 ±0.2 mm or 2.0 ±0.2 mm
Cable length	0.5 to 40 m
Cable colour	Yellow (other colours available upon request)

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 (APC) ; ≥ 50 dB (UPC)
Mechanical tests	Δ IL ≤ 0.20 dB
Environmental tests	Δ IL ≤ 0.20 dB
Temperature	Operation, transport and storage: -40 °C / +75 °C

MECHANICAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Crush resistance (IEC 60794-1-21E3A)	Load: 1000 N
Fiber/cable retention (IEC 61300-2-4)	Load: 70 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: 10 mm
Torsion (IEC 61300-2-5)	Load: 10 N ; Duration: 25 cycles ; Speed: 1 cycle/s
Static side load (IEC 61300-2-42)	Load : 1 N ; Duration : 1h
Flexing of the strain relief (IEC 61300-2-44)	Load : 5 N ; Duration : 30 cycles
Resistance of the connectors under static load 90° (IEC 61300-2-50)	Load : 15 N ; Duration 5 s
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)	200 cycles
Tensile strength of coupling mechanism (IEC 61300-2-6)	Load: 40 N ; Duration : 60s ; Speed: 5 N/s
Bending moment (IEC 61300-2-7)	Load : 10 N ; Duration : 60 s Speed : 2 N/s

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 Duration : 12 cycles
Dust (IEC 61300-2-27)	Concentration: 10.6 g/m3 ± 7.1 g /m3, d < 150 µm
Durability by water immersion (IEC 61300-2-45)	Temperature : +25 °C ± 2 °C ; Duration : 1h RH : 25%–75%
Fire resistance	Available upon request : B2ca, s1a, d0, a1 or Cca, s1a, d0, a1

IDENTIFICATION & TRACEABILITY

PARAMETERS	SPECIFICATIONS
IL/RL conformity	For each patchcord, informations visible on the label
Labeling	Identification and traceability of each patchcord: Designation example: Patchcord SX SC/APC-SC/APC Ø1.6mm G.657A2 Yellow Lg 2.0m Part Number : Telenco product reference Batch Number : TN WW/YY (Production week/ Production year) QTY : Quantity of product per package IL/RL conformity