



## Premium Telecom Patch Cords

High performance premium telecom patch cords designed for low loss telecommunication applications using high quality Low Smoke Zero Halogen (LSZH) cable and premium grade zirconia ferrule connectors. They fully conform to ISO/IEC, TIA/EIA and Telcordia standards.

### Applications

- Telecommunication networks
- High Bandwidth Ethernet
- Fibre Channel
- Storage Area Networks

### Features

- Premium Low Loss optical performance
- Low insertion loss and low back reflection
- Available in singlemode and multimode
- Available with SC, LC, ST, FC, MU and E2000 connectors
- Optimised SC and LC connectors, flexible boot
- Available in simplex or duplex
- 900µm / 600µm tight buffer
- Cable available with IEC 60332-3-24 fire performance
- Standard and bend insensitive multimode and single mode fibre types, G652D, G657A1, G657A2
- EN, IEC, EIA/TIA and Telcordia compliant
- REACH, RoHS and SvHC compliant

## Specifications

### Connector Specification

OPTICAL PERFORMANCE	VALUE		CONFORMANCE
End-face Polishing	UPC	APC	
Insertion Loss (SM & MM)	≤ 0.10dB	≤ 0.10 dB	IEC 61300-3-4
Return Loss (SM)	≥ 55 dB	≥ 65 dB	IEC61300-3-4
Return Loss (MM)	≥ 40 dB	-	IEC 61300-3-4
Radius of Curvature	SC	10~20 mm	8~12 mm
	LC	7~15 mm	5~10 mm
Apex Offset	≤ 20μm	≤ 30μm	
Fiber Height	± 50nm		
Angle (°)	-	8°±0.2°	
Eccentricity (Fiber Core to Ferrule)	≤ 0.5 um		

MECHANICAL PROPERTIES	VALUE	CONFORMANCE
Mechanical Endurance	500 matings	IEC 61300-2-2
Vibration	10-55Hz, 0.75 amplitude	IEC 61300-2-1
Drop	5 drops at 1m	IEC 61300-2-12
Cable retention	50N	IEC 61300-2-4
Cable torsion	1.5kg-2.5kg for 2mm-3mm cable diameter	IEC 61300-2-5

### Cable Specification

CHARACTERISTICS	
Cable Material	LSZH*
Strength Member	Aramid
Crush (N)	1000
Operating Temperature (°C)	-20 to +60
Fire Specification	IEC 60332-1
Secondary Buffer Diameter (2.0mm) μm	900±50
Secondary Buffer Diameter (1.6mm and 1.8 mm)	600±50
Minimum Bend Radius (mm)	10D (installed) – 20D (loaded)

\*Also available in PVC

## Ordering Information

Connector A		Connector B		+		Fibre Type		Cable Diameter		+		Configuration		+		Length	
00	LC	00	LC			9	G.652.D	6	1..6mm	1		1	Simplex	01		1m	
01	LCA	01	LCA			A1	G.657.A1	8	1..8mm	2		2	Duplex	02		2m	
S0	LS Short Boot	S0	LS Short Boot			A2	G.657.A2	2	2mm	13		13	Simplex LSZH 3	03		3m	
02	SC	02	SC			1	OM1	3	3mm	23		23	Duplex LSZH3	05		5m	
03	SCA	03	SCA			2	OM2			1V		1V	Simplex PVC	10		10m	
04	ST	04	ST			3	OM3			2V		2V	Duplex PVC	...		...	
05	FC	05	FC			4	OM4							xx		Specify	
06	FCA	06	FCA														
07	E2	07	E2														
08	E2A	08	E2A														
09	MU	09	MU														

### Examples:

**PCT-S000-962-15** – Telecom Patch Cord LC/UPC Short Boot – LC/UPC Singlemode G.652.D Duplex 1.6mm LSZH 15m

**PCT-0003-A222V-05** – Telecom Patch Cord LC/UPC – SC/APC Singlemode G.657.A2 Duplex 2mm PVC 5m

## Technical Drawing

