



## 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.

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## 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
  - Available in simplex or duplex
  - Flexible boot
  - 900µm / 600µm tight buffer
  - Duplex LC and SC assemblies available with clips
  - 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
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## Applications

- Telecommunication networks
  - High Bandwidth Ethernet
  - Fibre Channel
  - Storage Area Networks
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## 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	
OPCT	00	LC	00	LC	9	G.652.D	6	1.6mm	1	Simplex	01	1m
	01	LCA	01	LCA	A1	G.657.A1	8	1.8mm	2	Duplex	02	2m
	So	LC Short Boot	So	LC Short Boot	A2	G.657.A2	2	2mm	1L	Simplex LSZH 3	03	3m
	02	SC	02	SC	1	OM1	3	3mm	2L	Duplex LSZH 3	05	5m
	03	SCA	03	SCA	2	OM2			1V	Simplex PVC	10	10m
	04	ST	04	ST	3	OM3			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								

## Example order code

OPCT - So 00 - 9 6 2 - 15

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

OPCT - 00 03 - A2 2 2V - 05

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

Technical Drawing

