



## LC-ST UPC Fiber Optic Patch Cords

Avalon LC-ST UPC fiber optic patch cord has a small form factor (SFF) connector and is ideal for high density applications. The LC fiber patch connector has a Zirconia ceramic ferrule measuring 1.25mm O.D. with an UPC end face, and provides optimum insertion and return loss. The LC fiber patch cable connector is used on small diameter mini-cordage (1.6 mm/2.0mm) as well as 3.0mm cable. LC fiber cable connectors are available in cable assembled or one piece connectors.

### Features

- Compliant with TELCODIA GR-326-Core
- Compliant with JIS C-5973, IEC, TIA/EIA 568-B.3
- Optical performance 100% factory tested Minimum loss

### Applications

- Telecommunication Networks
- LAN
- CATV Networks
- Active Device Termination
- Data System Networks



### Specification

Characteristics	Conditions	Value
Insertion Loss Return Loss	Against Reference Connector	< 0.2 dB
	SPC	> 40 dB
	UPC	> 50 dB
	APC	> 60 dB
Durability	1000 Matings	< 0.2 dB
Temperature Cycling	-40 — +80 degrees Celsius (42 Cycles)	< 0.2 dB
Humidity Cycling	75 degrees Celsius, 95%/336hr	< 0.2 dB
Vibration	10 — 55 HZ ( 2 hours)	< 0.2 dB
Flex Test	0 to 90 degrees to 0 to 90, 5kgf (100 cycles)	< 0.2 dB
Twist Test	0.9mm :0.75kgf, 2.0mm:1.53 kg	< 0.2 dB
Straight Pull Test	100 N Load	< 0.2 dB
Impact	1,5m drop, 8 times	< 0.2 dB

### Ordering information

Part Number*	Description
AN-PCO9LCSTS00X-YY	LC- ST Singlemode Fiber Patch Cord

\* Replace "X" with 1, 2, 3..10.....30 meters.

\* Replace "YY" with either SP (Simplex) or DP (Duplex)