

SuperiOtec LC is a small form factor fiber optic connector. It uses 1.25mm ferrule which is half the diameter of the standard ferrule. The LC connectors are available in Singlemode for both UPC and APC, in Multimode UPC. The connectors come with standard boots suitable for 900µm and 2mm cable diameters. The LC connectors is available in blue, green and beige.



FEATURES & BENEFITS

Complies with IEC 61754-20 Standards	Low Insertion Loss and Back Reflection
Zirconia Ceramic Ferrule with high end (UPC) Ultra Physical Contact	Complies with TIA 604-10-A Standards
RoHS Compliant	REACH SvHC

PHYSICAL SPECIFICATIONS

MECHANICAL PROPERTIES	CRITERIA	EFFECT	CONFORMANCE
Mechanical Endurance	500 Mating's	<0.2dB Change	IEC 61300-2-2
Vibration	10-55Hz, 0.75 Amplitude	<0.2dB Change	IEC 61300-2-1
Drop	Drop Height 1m, 5 Drops	<0.2dB Change	IEC 61300-2-12
Cable Retention	Magnitude 90N	<0.2dB Change	IEC 61300-2-4
Cable Torsion	1.5kg – 2.5kg for 2mm-3mm Cable Diameter	<0.2dB Change	IEC 61300-2-5
Operating Temperature	-12 to +70, 12 Cycles	<0.2dB Change	IEC 61300-2-22
Cold	-25 to 96 Hrs.	<0.2dB Change	IEC 61300-2-17
Dry Heat	+70 to 96 Hrs.	<0.2dB Change	IEC 61300-2-18

LC CONNECTOR UPC AND APC – SINGLEMODE (GRADE A, B & C) & MULTIMODE (GRADE D & S)

OPTICAL PERFORMANCE	GRADE A	GRADE B	GRADE C	GRADE D	GRADE S	CONFORMANCE
IL Max/Master (Acceptance)	0.10dB	0.15dB	0.25dB	0.15dB	0.3dB	IEC 61300-3-4
IL Max/Random	0.20dB	0.30dB	0.40dB	0.25dB	0.4dB	IEC 61300-3-4
Ave/Master	0.08dB	0.12dB	0.18dB	0.08dB	0.15dB	IEC 61300-3-4
Ave/Random	0.08dB	0.12dB	0.18dB	0.1dB	0.2dB	IEC 61300-3-4
Return Loss	55/70dB	55/65dB	55/65dB	N/A	N/A	IEC 61300-3-6

ORDERING INFORMATION

CON XXX Y LC

Superior tec LC Connector, (XXX) Fiber Type, (Y) Configuration

XXX: Fiber Type (801: SM, 502: MM OM2 50/125 μ m, 503: MM OM3 50/125 μ m 504: MM OM4 50/125 μ m)

Y: Configuration (S: Simplex & D: Duplex)

Optional: (PC), (UPC) & (APC) Ultra/Angled Physical Contact