

SuperiOtec SC connectors are available in Singlemode for both PC and APC, In Multimode PC.

The Connectors come with standard boots Suitable for 900µm, and 3mm cable diameters.



**FEATURES & BENEFITS**

Complies with IEC 61754-4 & IEC 60784-14 Standards	Low Insertion Loss and Back Reflection
Zirconia Ceramic Ferrule with high end (UPC) Ultra Physical Contact	A Push-Pull coupling mechanism for easy insertion and consistent connection
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	-12 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 SC

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

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

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

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