

## FIBER CONNECTORS



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NEXCONEC® connectors are manufactured using state-of-the-art ferrules and components. Available in SC, LC, FC and ST in both PC and APC in single mode and multimode PC. The connector consists of a polymer body and a ceramic ferrule/spring/crimp barrel assembly in addition to a crimp-over sleeve and rubber boot. These connectors are suitable for 900µm, 2mm and 3mm cables.

The connector is precision-made and manufactured under demanding specifications. The combination of a ceramic ferrule with polymer housing provides consistent, long-term mechanical and optical performance.

### FEATURES

- ✓ Available for simplex and duplex
- ✓ Full compatibility in 900µm, 2.0mm and 3.0mm boots
- ✓ Zirconia ceramic ferrule
- ✓ Low insertion loss and back reflection capability
- ✓ UL94-V0 fire resistance plastic

### APPLICATION

- ✓ RoHS, REACH SvHC compliant
- ✓ Complies with IEC 61754-20 and TIA 604-10

## SPECIFICATIONS

Parameters	Criteria	Effect	Conformance
Mating Durability	500 matings	< 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 90 N	< 0.2dB Change	IEC 61300-2-4
Cable Torsion	1.5kg - 2.5kg for 2/3mm cable OD	< 0.2dB Change	IEC 61300-2-5
Operating Temperature	-25 to +70°C,	< 0.2dB Change	IEC 61300-2-22

Optical Performance	Grade Premium	Grade Standard	Conformance
IL MAX / Master Acceptance	0.15dB	0.25dB	IEC 61300-3-4
IL MAX / Random	0.20dB	0.40dB	IEC 61300-3-34
Ave/Master	0.12dB	0.18dB	IEC 61300-3-4
Ave/Random	0.12dB	0.18dB	IEC 61300-3-34
Return Loss	55/65dB	55/65dB	IEC 61300-3-6

## ORDER INFORMATION

AC	1	2	3	4	5	6	7
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1	CONNECTOR	2	FIBER TYPE	3	HOUSING COLOR	4	FIBER PORT	5	BOOT DIAMETER	6	PERFORMANCE	7	TYPE
S1	SC	S	Single mode	L	Blue	S	Simplex	9	900μm	S	STANDARD	S	Single Piece*
S2	SCA	M	Multimode	N	Green	D	Duplex	2	2MM	P	PREMIUM	M	Multi Piece**
L1	LC			E	Beige			3	3MM				
L2	LCA			Q	Aqua								
F1	FC			V	Erika Violet								
F2	FCA			M	Metal								
T1	ST												

\* Single Piece means pre-assembled connector.

\*\* Multi Piece means disassembled connector.