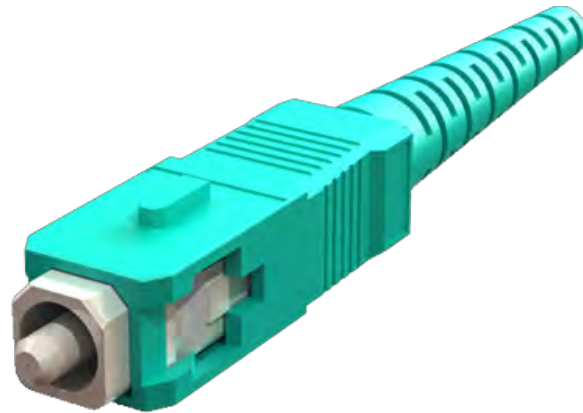




SC Connector



The SC connector features a 2.5mm Zirconia Ceramic ferrule and a push/pull coupling mechanism for a fast and reliable connection.

A range of pigtail, simplex and duplex SC connectors are manufactured including Standard, Premium Low Loss and High Performance Grades which are suitable for various applications.

The SC connectors are available for singlemode UPC with blue boots, for APC with green boots and for multimode PC with red or black boots suitable for 900µm, 2mm or 3mm cable diameters.

The SC/APC connector is available with a pre-angled ferrule designed for 8 degree angle polishing.

The SC connector housing and duplex clip are available in standard colours including blue (singlemode), green (singlemode APC) and beige (multimode).

FEATURES

- Complies with IEC 61754-4 and TIA 604-3-B, FOCIS-3
- Low insertion loss and back reflection capability
- A push-pull coupling mechanism for easy insertion and consistent connection
- Connector housing and duplex clip available in different colours for easy identification
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Individual parts packed in bulk package

APPLICATIONS

- Telecommunications networks
- CATV - Cable television
- Fibre-To-The-Home (FTTH)
- LAN, MAN and WAN application
- Data processing networks
- Premises distribution

SPECIFICATION

MECHANICAL PROPERTIES CRITERIA		EFFECT	CONFORMANCE
Mating Durability	500 matings	<0.2 dB change	IEC 61300-2-2
Vibration	10-55Hz, 0.75 amplitude	<0.2 dB change	IEC 61300-2-1
Drop	Drop height 1m, 5 drops	<0.2 dB change	IEC 61300-2-12
Cable Retention	Magnitude 90N	<0.2 dB change	IEC 61300-2-4
Cable Torsion	1.5kg - 2.5kg for 2mm-3mm cable diameter	<0.2 dB change	IEC 61300-2-5
Operating Temperature	-25 to +70, 12 cycles	<0.2 dB change	IEC 61300-2-22
Cold	-25 for 96 hrs	<0.2 dB change	IEC 61300-2-17
Dry Heat	+70 for 96 hrs	<0.2 dB change	IEC 61300-2-18

SC CONNECTOR PC AND APC - SINGLEMODE

OPTICAL PERFORMANCE*	HIGH PERFORMANCE	LOW LOSS	PREMIUM	STANDARD	CONFORMANCE
IL MAX/Master (Acceptance)	0.10dB	0.15dB		25dB	IEC 61300-3-4
IL MAX/Random (97%)	0.20dB	0.30dB		0.40dB	IEC 61300-3-34

OPTICAL PERFORMANCE*	HIGH PERFORMANCE	LOW LOSS PREMIUM	STANDARD	CONFORMANCE
Ave/Master	0.08dB	0.12dB	0.18dB	IEC 61300-3-4
Ave/Random	0.08dB	0.12dB	0.18dB	IEC 61300-3-34
Return	55/70dB	55/65dB	55/65dB	IEC 61300-3-6

SC CONNECTOR PC - MULTIMODE

OPTICAL PERFORMANCE*	LOW LOSS PREMIUM	STANDARD	CONFORMANCE
IL MAX/Master (Acceptance)	0.15dB	0.3dB	IEC 61300-3-4
IL MAX/Random (97%)	0.25dB	0.4dB	IEC 61300-3-34
Ave/Master	0.08dB	0.15dB	IEC 61300-3-4
Ave/Random	0.1dB	0.2dB	IEC 61300-3-34

* Achievable with FibreFab process and specified optical fibre

ORDERING INFORMATION

Singlemode		HIGH PERFORMANCE		LOW LOSS PREMIUM	STANDARD
PC	Simplex	900μm	SCSM9SMPX-H/Z	SCSM9SMPX-P/Z	SCSM9SMPX/Z
		2mm	SCSM2SMPX-H/Z	SCSM2SMPX-P/Z	SCSM2SMPX/Z
		3mm	SCSM3SMPX-H/Z	SCSM3SMPX-P/Z	SCSM3SMPX/Z
	Duplex	2mm	SCSM2DPX-H/Z	SCSM2DPX-P/Z	SCSM2DPX/Z
		3mm	SCSM3DPX-H/Z	SCSM3DPX-P/Z	SCSM3DPX/Z
APC	Simplex	900μm	SCAPC.9MM-H/Z	SCAPC.9MM-P/Z	SCAPC.9MM/Z
		2mm	SCAPC2MM-H/Z	SCAPC2MM-P/Z	SCAPC2MM/Z
		3mm	SCAPC3MM-H/Z	SCAPC3MM-P/Z	SCAPC3MM/Z
	Duplex	2mm	SCAPC2DPX-H/Z	SCAPC2DPX-P/Z	SCAPC2DPX/Z
		3mm	SCAPC3DPX-H/Z	SCAPC3DPX-P/Z	SCAPC3DPX/Z
Multimode		LOW LOSS PREMIUM		STANDARD	
PC	Simplex	900μm	SCMM9SMPX-P/Z	SCMM9SMPX/Z	
		2mm	SCMM2SMPX-P/Z	SCMM2SMPX/Z	
		3mm	SCMM3SMPX-P/Z	SCMM3SMPX/Z	
	Duplex	2mm	SCMM2DPX-P/Z	SCMM2DPX/Z	
		3mm	SCMM3DPX-P/Z	SCMM3DPX/Z	

Please contact our sales team on +44 (0) 1908 441 121 for further ordering information.

CONTACT OUR SALES TEAM TODAY

Europe: +44 1908 441 100 | sales@optronicsnet.com
Americas: +1 410 242 9026 | sales@optronicsnet.com
Asia Pacific: +86 755 2531 3694 | apac@optronicsnet.com
Middle East & Africa: +971 4 443 1028 | mea@optronicsnet.com
Web: www.optronicsnet.com

Downloaded from www.optronicsnet.com | Information correct as of October 29, 2014 | Optronics reserves the right to make changes to the product specifications in this datasheet at any time without notice.
All content © Optronics 2015