



ST Connectors

High-quality ST connectors, manufactured including Low Loss and High Performance Grades which are suitable for modern high demand and enhanced performance and applications. They feature a 2.5 mm with quick release bayonet style body for ease of use. OptronicPlus FC Connectors are available for single mode UPC with blue boots, APC with green boots and multimode PC with black boots suitable for 900µm, 2mm or 3mm cable diameters.

Features

- Low insertion loss and back reflection
- IEC 61754-2, TIA 604-2-B and FOCIS-2 compliant
- Bayonet style (stick and twist) housing for easy connection
- Nickel plated metal body
- Zirconia ceramic ferrule available in several performance grades
- RoHS, REACH and SvHC compliant

Applications

- Local areanetworks
- Distribution applications
- Premises distribution

Specifications

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°C to +70°C, 12 cycles	<0.2 dB change	IEC 61300-2-22
Cold	-25 to 96 hours	<0.2 dB change	IEC 61300-2-17
Dry Heat	+70 to 96 hours	<0.2 dB change	IEC 61300-2-18

ST Connector - Singlemode

OPTICAL PERFORMANCE	HIGH PERFORMANCE	LOW LOSS	PREMIUM STANDARD	CONFORMANCE
IL MAX/Master (Acceptance)	0.10Db	0.15dB	0.25dB	IEC 61300-3-4
IL MAX/Random (97%)	0.20Db	0.30dB	0.40dB	IEC 61300-3-34
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 Loss	55/70Db	55/65dB	55/65dB	IEC 61300-3-6

ST Connector - Multimode

OPTICAL PERFORMANCE	LOW LOSS	PREMIUM STANDARD	CONFORMANCE
IL MAX/Master (Acceptance)	0.15dB	0.30dB	IEC 61300-3-4
IL MAX/Random (97%)	0.25dB	0.40dB	IEC 61300-3-34
Ave/Master	0.08dB	0.15dB	IEC 61300-3-4
Ave/Random	0.10dB	0.20dB	IEC 61300-3-34

Ordering Information

	Connector		Mode		Boot Diameter		Configuration		Performance		Extra Options	
	04	ST	9	Singlemode	2	2.0mm	1	Simplex	Leave Empty	Standard	YB	Yellow Boot (applies to SM 2mm & 3mm)
OCO			2	Multimode	3	3.0mm			L	Low loss premium	BB	Black Boot (applies to MM 2mm & 3mm)
					9	900µm			p	High Performance (Singlemode)	RB	Red Boot (applies to MM 2mm & 3mm)

Example order code

OCO - 04 - 9 - 9 - 1

Standard ST Connector Singlemode Simplex 900µm Boot

OCO - 04 - 9 - 2 - 1 - P - YB

High Performance ST Connector Singlemode Duplex APC 2mm Yellow Boot

OCO - 04 - 2 - 3 - 1 - L - BB

Low loss premium ST Connector Multimode Duplex 3mm Black Boot