

ST Connectors



The ST connector features a 2.5 mm ferrule with a quick release bayonet (stick and twist) style body for ease of use. A range of ST connectors is manufactured including Standard and Premium Low Loss Grades which are suitable for various applications. ST connectors are available for single mode UPC with yellow boots, APC with green boots and multimode PC with black or red boots suitable for either 900µm, 2mm or 3mm cable diameters.

FEATURES/BENEFITS

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

APPLICATIONS

- Local area networks
- Data processing networks
- Distribution application
- 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° 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

ST Connector - Single mode

OPTICAL PERFORMANCE*	LOW LOSS PREMIUM	STANDARD	CONFORMANCE
IL MAX/Master (Acceptance)	0.15dB	0.25dB	IEC 61300-3-4
IL MAX/Random (97%)	0.30dB	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

ST Connector - Multimode

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

* Achievable with AFL Hyperscale process and specified optical fiber

ORDERING INFORMATION

Single mode		LOW LOSS PREMIUM		STANDARD
PC	Simplex	900μm	STSM9-P	STSM9
		2mm	STSM2YEL-P	STSM2YEL
		3mm	STSM3YEL-P	STSM3YEL
Multimode		LOW LOSS PREMIUM		STANDARD
PC	Simplex	900μm	STMM9-P	STMM9
		2mm (Black)	STMM2BLK-P	STMM2BLK
		2mm (Red)	STMM2RED-P	STMM2RED
		3mm (Black)	STMM3BLK-P	STMM3BLK
		3mm (Red)	STMM3RED-P	STMM3RED



SCAN QR FOR PRODUCT PAGE

FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/st-connectors>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
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