

Optic Fibre Connectors ST 62,5 & 50/125 µm

Cat. No : 0 331 27



1. USE

ST type connectors to be glued for 50/125 µm and 62.5 / 125 µm multimode optical fibers suitable from 900 µm cables. Implementation of connectors: hot or cold bonding.

2. ITEM DESCRIPTION

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 Low Loss and High Performance 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	Applications
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Local area networks Data processing networks Distribution application Premises distribution

3. TECHNICAL SPECIFICATION

Mechanical properties	Criteria	EFFECT	Standard
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°C for 96 hours	<0,2 dB change	IEC 61300-2-17
Dry heat	+70°C for 96 hours	<0,2 dB change	IEC 61300-2-18

4. OPTICAL PERFORMANCE

	OPTICAL PERFORMANCE*	HIGH PERFORMANCE	LOW LOSS PREMIUM	STANDARD	CONFORMANCE
ST Connector PC and APC Single mode	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	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

* Achievable with FibreFab process and specified optical fibre

5. ORDERING INFORMATION

			HIGH PERFORMANCE	LOW LOSS PREMIUM	STANDARD	
Single mode	PC	Simplex	900µm	STSM9-H	STSM9-P	STSM9
			2mm	STSM2YEL-H	STSM2YEL-P	STSM2YEL
			3mm	STSM3YEL-H	STSM3YEL-P	STSM3YEL
Multimode	PC	Simplex	900µm	-	STSM9-P	STSM9
			2mm (Black)	-	STSM2BLK-P	STSM2BLK
			2mm (Red)	-	STSM2RED-P	STSM2RED
			3mm (Black)	-	STSM3BLK-P	STSM3BLK
			3mm (Red)	-	STSM3RED-P	STSM3RED