

The ST connector, also called BFOC 2.5 (Bajonet Fiber Optic Connector 2.5 mm), with a simple design targeting Datacom network applications. The ST family is today not frequently used due to its construction as ST-1 connectors can easily be pulled out of contact and have inherent transversal force problems. In Datacom networks it was followed up by SC and LC.

According to standards IEC 61754-2 / TIA 604-2 and performance standard IEC-61753, IEC 61754-2, IEC 61755-3-1.

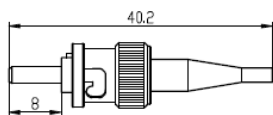
It can be assembled with cables from $\varnothing 0.6\text{mm}$ up to $\varnothing 3.0\text{mm}$. The Novobit ST connector-kit meet category E for extreme environment and may be used between $-40\text{ }^{\circ}\text{C}$ and $+85\text{ }^{\circ}\text{C}$ and is available as simplex.



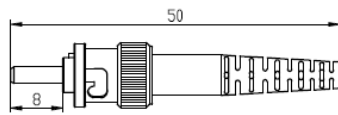
Assembly Specifications		Multi-mode	Multi-mode
Performance Class		Grade C	Grade M
IL max. against reference [dB]		0.35	0.35
IL typical against reference [dB]		0.20	0.20
Return Loss [dB]	PC	≥ 45	≥ 27
	UPC	-	-
	APC	-	-
Fiber Height [nm]	PC	-50 to +100	-50 to +100
	APC	-	-
Apex Offset [μm]		≤ 50	≤ 50
Radius [mm]	PC	5 to 25	5 to 25
	APC	-	-
Angle ($^{\circ}$) of APC		-	-
Tensile Strength [N]		> 100	> 100

ST Connectors & Adapters

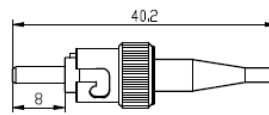
Connector Specification	
Housing	Metal
Ferrule Diameter	Ceramic D: 2.5mm d: 125.3-126.3µm
Concentricity	≤1.0µm (SM, PC) ≤4.0µm (MM)
Cable Diameter	0.6 - 3mm
Flammability	UL 94 V-0
Humidity	95 %
Durability	≥1000 Matings
Tensile Strength	100N
RoHS/REACH	Compliant



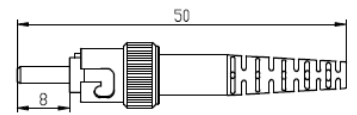
ST II Pigtail



ST II Patchcord



ST I Pigtail



ST I Patchcord

Adapter Specifications:	
Attenuation	< 0,2 dB
Repeatability 1000 cycles	< 0.2 dB
Service life	> 1000
Temperature	-40 °C to +85 °C
Flammability	UL 94 V-0
Humidity	95 %
Sleeve	Zircona
RoHS/REACH	Compliant

