

ST DIAMOND CONNECTORS AND ADAPTERS

Features:

- assembled according to Active Core Alignment technology
- provide the highest transmission and operating parameters
- compliant with EN 61754-2
- SM version available with PC ferrule in Simplex or Duplex configurations

Technical Specifications:

Connector grade	Standard		Test conditions
	SM PC	MM PC	
Transmission mode			
Maximum Insertion Loss IL [dB]	0,25	0,30	IEC 61300-3-4 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$
Average Insertion Loss IL [dB]	0,15	0,15	IEC 61300-3-4 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$
Return Loss RL [dB]	≥ 45 for PC	≥ 20 for PC	IEC 61300-3-6 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$
Repeatability of IL [dB]	$\pm 0,1$		
Service life	1000 mate/demate cycles		Over service life
Operating temperature [°C]	from -40 to +85		Depending on cable specification
Ferrule diameter [mm]	2,5		

