

FC DIAMOND CONNECTORS AND ADAPTERS

Features:

- assembled according to Active Core Alignment technology
- provide the highest transmission and operating parameters
- compliant with EN 61754-13
- available in SM, PC and APC

Technical Specifications:

Connector grade	0,1 dB	Standard		Test conditions
		SM	MM	
Transmission mode	SM	SM	MM	
Maximum Insertion Loss IL [dB]	0,15	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]	0,10	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]	≥ 80 for APC	≥ 65 for APC	≥ 20 for PC	IEC 61300-3-6 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$
	≥ 55 for PC	≥ 45 for PC		
Repeatability of IL [dB]	±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			

