

FC MONOBLOCK CONNECTORS AND ADAPTERS

Features:

- FC connectors with fully ceramic MONOBLOCK ferrule
- compliant with EN IEC 61754-13
- SM and MM versions available with PC or APC ferrule

Technical Specifications:

Connector grade	Premium +		Premium		Standard		Test conditions
	SM	MM	SM	MM	SM	MM	
Transmission mode							IEC 61300-3-4 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$
Maximum Insertion Loss IL [dB]	0,10	0,15	0,15	0,30	0,25	0,50	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]	0,08	0,12	0,10	0,25	0,15	0,38	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	≥ 55 for PC	≥ 65 for APC	≥ 20 for PC	≥ 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		≥ 45 for PC		
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						

