

## LC MONOBLOCK CONNECTORS AND ADAPTERS

### Features:

- LC connectors with fully ceramic MONOBLOCK ferrule
- compliant with EN IEC 61754-20
- SM and MM versions available with PC or APC ferrules in Simplex or Duplex configurations

### 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]	$\geq 80$ for APC $\geq 55$ for PC	$\geq 55$ for PC	$\geq 65$ for APC $\geq 45$ for PC	$\geq 20$ for PC	$\geq 65$ for APC $\geq 45$ for PC	$\geq 20$ 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]	1,25						

