

## E-2000 DIAMOND CONNECTORS AND ADAPTERS



### Features:

- assembled according to Active Core Alignment technology
- high performance of 0.1 dB APC connectors due to the light emission angle control and application of high precision adapter sleeves
- compliant with EN-60825-1, EN 60825-2, EN 61754-15
- SM and MM versions available with PC or APC ferrules in Simplex or Duplex configurations

### Technical Specifications:

Connector grade	0,1 dB	Standard		Test conditions
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]	$\geq 80$ for APC $\geq 55$ 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]	2,5			