



FUSION connectors



FUSION ferrule

FUSION DIAMOND connectors

Features:

- the FUSION connector system allows quick and easy field termination of high performance connectors
- with the performance expect from the highest quality connectors
- the ferrule assembly consists of a factory-terminated fibre endface, fibre stub, and integrated splice protection
- the fibre endface is core-centered via well-known Active Core Alignment process and factory-polished to the company's precise specifications
- the FUSION connector are field terminated via a low loss fusion splice using the new ZEUS D50 Fusion Field Termination Kit
- the FUSION connectors are available for SM and MM fibre (250 µm, 600 µm & 900 µm) and cable (1.6 to 3.1 mm) in both 0° PC or 8° APC versions
- comply with the standards: IEC 61754-20, EN60825-1, EN60825-2 (eye protection), IEC61754 norms

Technical specifications:

connector type	E-2000, SC, FC, ST* DIAMOND FUSION			test conditions
	MM PC 0°	SM PC 0°	SM APC 8°	
insertion loss IL [dB]	0,2			IEC 61300-3-4; λ=1300/1550 nm
return loss RL [dB]	40	50	70	IEC 61300-3-6; λ=1300/1550 nm
repeatability of IL [dB]	±0,1			over service life
service life	over 1000 mate/demate cycles			
operating temperature [°C]	-25 to +70			depending on cable specification
ferrule diameter [mm]	2,5			
short code	-			

* ST connectors available in MM PC 0° and SM PC 0°.

Ordering:

E-2000/APC CDR/3000 - E2000/APC for splicing on 3 mm cable