LUXA

OE20M/20M Single-Fiber Underwater Fiber Optic Connector

Watertight Connectors

A sealed single-fiber interface connects submerged instruments to an optical cable. Standard and low-loss terminations are specified separately at each wavelength.



Technical specifications

Number of contacts	1 fiber
Insertion loss (dB)	0.6 Standard / 0.3 Low-loss (1310 nm); 0.5 Standard / 0.3 Low-loss (1550 nm)
Mating life	>500 cycles (O-ring: 100 cycles)
Factory test pressure	Radial and longitudinal: 20 MPa; receptacle with longitudinal water blocking; customizable up to 60 MPa
Operating temperature (°C)	-45 to +90
Connector shell	Standard: 316L stainless steel; TC4 titanium alloy available on request
Optical contact	Zirconia ceramic ferrule