

OptoLink Single Fibre Connector



Description

MacArtney's single fibre connector has been specially developed to offer reliable fibre optic connection in a minimal sized connector. Designed for subsea equipment manufacturers, the low insertion loss and low back reflection make this connector perfect for high speed data and video transmission.

The rugged stainless steel design ensures the connector is robust and reliable – whether on the deck of a vessel, on a platform or at full ocean depth.

The single pass optolink connector is available in a bulkhead (BCR) and cable mount (CCP) configuration with minimal attenuation between the mated connector pairs. Connectors are rated to 6000 metres and have SS316 stainless steel housing as standard.

The BCR also acts as a water block in case of cable damage.

Features and Benefits

- Standard depth rating 6,000 metres
- Available as single mode or multi mode
- Stock and services available from MacArtney locations worldwide

Applications

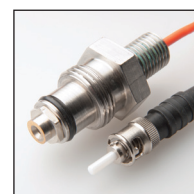
- ROV, ROTV and UUV systems
- Fibre optic video and data multiplexers
- Cable ploughs
- Acoustics ranges
- Fibre optic riser fatigue systems
- General underwater fibre optic communication
- Renewable energy

Options

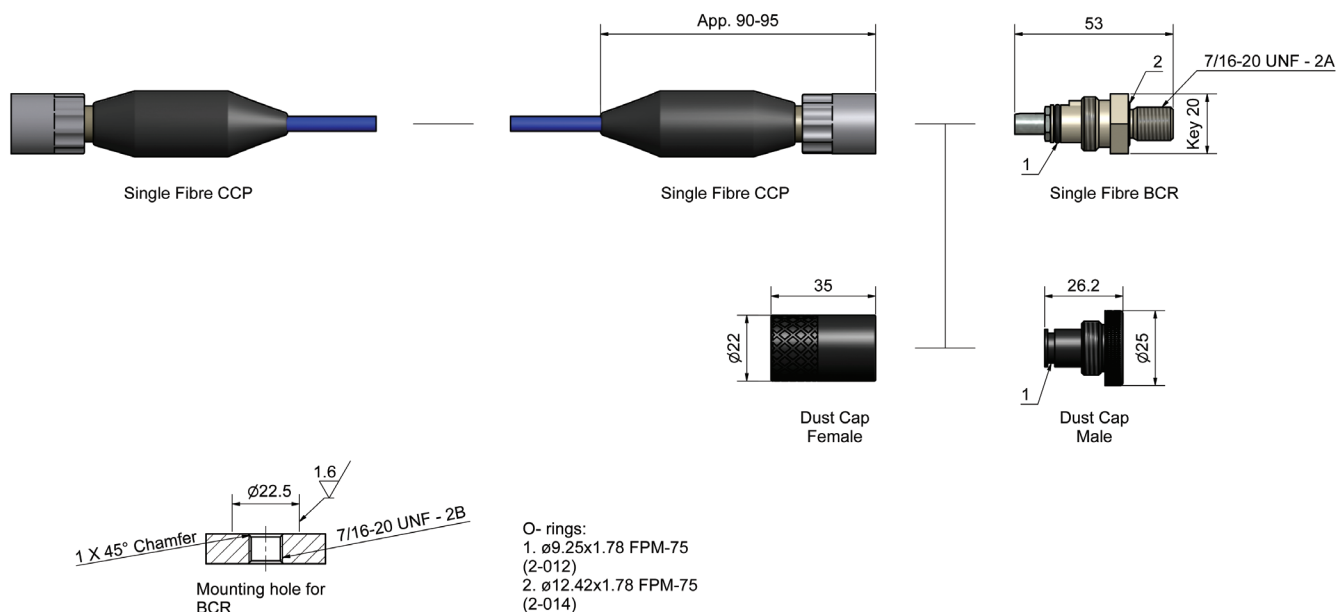
- Other shell materials are available
- Certified pressure testing of assemblies or components

Related items

- Optolink Penetrator
- Optolink API Fibre Optic Connector
- FITA Termination



Technical Specifications



Specifications

Material specifications

Metal shell housing:	SS 316
Fibre optic insert:	ST type
Dust cap:	Black POM
O-Rings:	FPM 75
Full pressure dummy:	SS 316

Connector specifications

Depth rating:	Mated: 6,000 metres
Temperature rating:	Storage: -40° C/+85° C Operational: -10° C/+50° C
Mating cycles:	Optical: >100

Water blocking	BCR acts as water block in case of damage (BCR will require servicing)
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Optical specifications (multi mode)

Wavelength:	850 to 1,300 nm
Attenuation:	0.5 - 0.7 dB (typical) - 1.0 dB (max)
Fibre types:	50/125 or 62.5/125 μ m
Optical passes:	1 pass

Optical specifications (single mode)

Wavelength:	1.310 to 1.550 nm
Attenuation:	0.5 - 0.7 dB (typical) - 1.0 dB (max)
Fibre types:	9/125 μ m
Optical passes:	1 pass

Certifications

Documentation:	In accordance with DNV ISO 9001:2008
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Specification subject to change without notice