

Fibre Optic Assembly 300 bar oil filled



FEATURES

- Differential pressure: 300 bar
- Temperature range: -5 to +50 deg. C
- Attenuation: Insignificant
- Interface: 55-series Shell size 20
- Number of fibres: up to 10
- Individual sealing on each fibre element
- Can easily be adapted to other interfaces
- Handling both SM and MM fibre elements.
- Delivered with ST, SM or other type F/O connector on the dry side.

DESIGN PHILOSOPHY

Sealing on each fibre element, protecting your electronics if the hose should become damaged.

QUALIFICATION PROGRAM

Tests have been performed on the assembly in order to investigate whether the pressure barrier contributes to signal degradation (bandwidth limitations) or increased attenuation, and to verify the pressure rating.

- Attenuation measurements (dB) in all steps of the program
- Cycling tests 0 - 350 bar
- Real life testing performed on ROV systems, over a number of years at depths down to 3000 meters

USE

- ROV/ROT penetrators/jumper cables
- Military applications
- Seismic systems
- Other