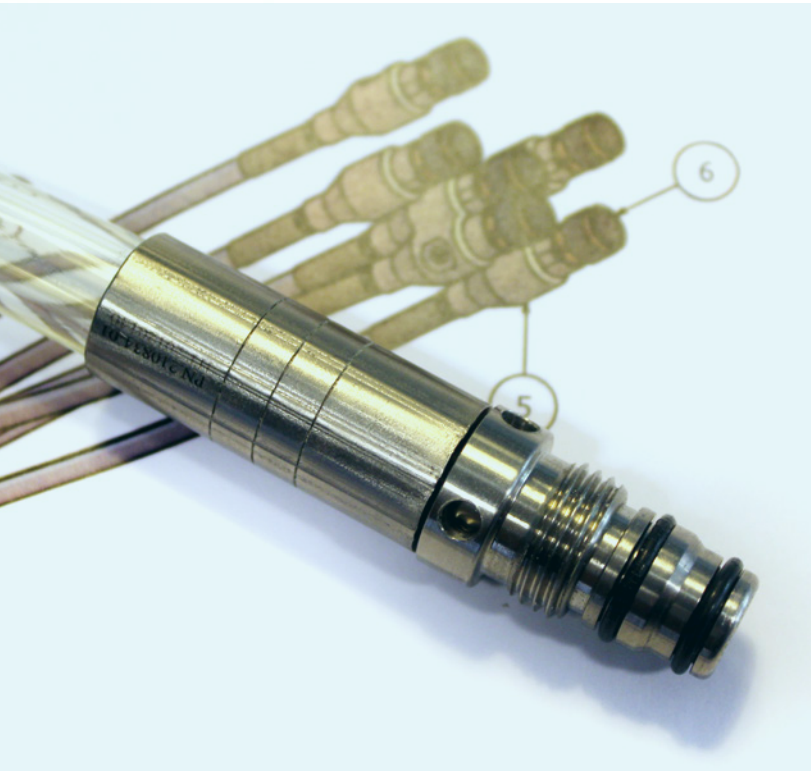


8mm Pressure Balanced Oil Filled TPU Hose



The hose conduit is specially designed as the 1st barrier and the mechanical protection for copper and fibre optical conductors. The hose is internally pressurized with a dielectric fluid, normally silicone oil. The TPU is of a “see through” version, allowing inspection of the integrity of the wires inside and any water intrusion contaminating the dielectric fluid.

The Hose system is designed to be used at water depths down to 3500 meters of seawater and temperatures between -5 and +40 degrees Celsius (23-104F degrees Fahrenheit). It will normally be fitted in both ends with titanium fittings with the industrial standard MK2 interface, swaged to the hose. Other fittings and/or other materials can be customer specified.

The hose can be fitted to different kinds of subsea connectors and penetrators. Transmark Subsea can also design special solutions to fit your purpose.



PROTECTION



WATER DEPTH



STANDARD MATERIAL

Specifications

Model	8 mm hose
Applications	8 mm hose for electrical or fiber optic wiring
Nominal ID	8 mm
Nominal OD	14 mm
Material	TPU (Thermoplastic Polyurethane)
Colour	Transparent
System depth rating	3500m salt water
Work pressure system internal	Maximum 10 bar differential
Volumetric expansion	Pressure/temperature compensated
Storage temperature	-35 to +50 °C (-31 to 122 °F)
Work temperature	-5 to +40 °C (23 to 104 °F)
Bend radius	50 mm
Compatibility	Silicone oil, synthetic hydraulic oil, kerosene, seawater
End terminations	Swaged Titanium gr. 2 MK2 fittings
Breakouts	Split boxes in Titanium gr. 2 with 1–6 inlets and 1–6 outlets or connector-interface

