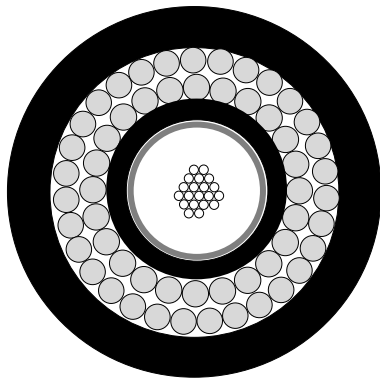


Subaqua optical cable

Cable Design



- not to scale -

- **Stainless steel Tube:**
Laser welded hermetically sealed stainless steel tube filled with hydrogen scavenger and waterblocking compound
- **Inner Sheath:** Black HDPE
- **Armour:** double layer of galvanized steel wires. Bitumen is applied under, between and over the wires.
- **Outer Sheath:** Black HDPE

Application

The cables are suitable for under water installation in sea / river / lake bed, it can withstand radial water pressure > 300 bar. Application are also found in special harsh situations i.e. sewers, water pressurized tunnels and galleries.

Technical data

No. of Fibres		12 - 96		
Nominal Cable Diameter	mm	16 - 22		
Approx. Cable Weight in air	kg /km	500 - 1300		
Tensile permanent strength	kN	12 - 36		
Min. bending radius	mm	Without Tension 20 x Cable-Ø		Under Maximum Tension 25 x Cable-Ø
Temperature range	°C	Installation -10 -> +50	Transport. & Storage -40 -> +70	Operation -30 -> +70

Optical Characteristics

Different fiber types as per ITU-T recommendations available.

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