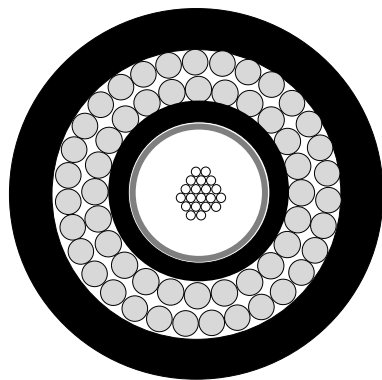


Subaqua optical cable

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 up to 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.

© PrysmianGroup 2018, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by PrysmianGroup: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of PrysmianGroup. The information is believed to be correct at the time of issue. PrysmianGroup reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by PrysmianGroup.