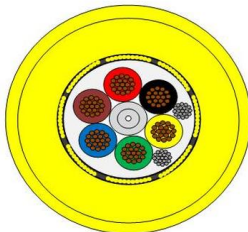


## Technical Specification ROV underwater cable

|                                            |                                              |                                                                                    |                                         |                       |
|--------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------|-----------------------|
| <u>Cable model</u>                         |                                              |  |                                         |                       |
| DROV-CAB-019                               |                                              |                                                                                    |                                         |                       |
| <u>General Description</u>                 |                                              |                                                                                    |                                         |                       |
| 17.5±0.5 mm                                |                                              |                                                                                    |                                         |                       |
| <u>Relevant Standards</u>                  |                                              |                                                                                    |                                         |                       |
| According to customer's requirements.      |                                              |                                                                                    |                                         |                       |
| <u>Cable specs</u>                         |                                              |                                                                                    |                                         |                       |
| Conductor                                  | Conductor Material                           | Tinned Copper                                                                      | Tinned Copper                           |                       |
|                                            | Sectional Area                               | 6 × 0.75 mm²                                                                       | 2 × 0.75 mm² (drain wires)              |                       |
|                                            | Conductor Structure                          | 43/0.15                                                                            | 43/0.15                                 |                       |
|                                            | Lay Direction                                | Left-hand                                                                          | Left-hand                               |                       |
| Insulation                                 | Insulation Material                          | HDPE                                                                               | /                                       |                       |
|                                            | Insulation OD.                               | 2.5±0.1 mm                                                                         | 1.15±0.1 mm                             |                       |
|                                            | Insulation Color                             | Red, Black, Yellow, Green, Blue, Brown                                             | /                                       |                       |
| Optical Fiber                              | Model                                        | Single mode, unarmoured (PBT tube)                                                 |                                         |                       |
|                                            | Core                                         | 1 Core                                                                             |                                         |                       |
|                                            | Reinforcement                                | Braid of 16 Kevlar yarns, 200 kg tensile (fiber unit)                              |                                         |                       |
|                                            | Insulation OD                                | 2.0±0.1 mm                                                                         |                                         |                       |
| Inner Jacket                               | Jacket Material                              | TPV                                                                                |                                         |                       |
|                                            | Jacket Color                                 | Natural                                                                            |                                         |                       |
|                                            | Finished OD.                                 | 9.0±0.3 mm                                                                         |                                         |                       |
|                                            | Strength Member                              | Braiding Material                                                                  | Kevlar braid, 2000 kg breaking strength |                       |
| Outer Jacket                               | Jacket Material                              | Foamed polyurethane / Polyether polyurethane                                       |                                         |                       |
|                                            | Jacket Color                                 | Yellow / Yellow                                                                    |                                         |                       |
|                                            | Hardness                                     | 85A (both layers)                                                                  |                                         |                       |
|                                            | Finished OD.                                 | 17.5±0.5 mm                                                                        |                                         |                       |
| Mark                                       | Meter marks and identification               |                                                                                    |                                         |                       |
| <u>Electrical Characteristics</u>          |                                              |                                                                                    |                                         |                       |
| Max. Conductor DC Resistance at 20°C(Ω/km) | 0.75 mm²: ≤26.7 Ω/km                         | /                                                                                  | Rated voltage(V)                        | 1000V (test 1500V)    |
| <u>Properties</u>                          |                                              |                                                                                    |                                         | <u>Weight</u>         |
| Min. Bending radius(mm)                    | 10D static / 15D dynamic (D: cable diameter) | Tensile Strength(N)                                                                | 2000 kg (≈19.6 kN)                      | -                     |
| Rated Temperature (°C)                     | -40°C~ + 80°C                                | Water pressure resistance (MPa)                                                    | 5 (500 m)                               | Neutral in salt water |