



Application

Cable is used for the information signals transmission and supply of submersible units under the voltage of 380V, working in the sea water at repeated dropping and rising.

Operating air temperature is from minus 40°C to plus 50°C; sea water temperature is from minus 4°C to plus 35°C.

Design

Three copper conductors of cross-section 0,12 mm², polyethylene insulated.

Core

Twisted of insulated conductors and strands of aramid yarns.

Insulation

high-density polyethylene
load-carrying element — aramid yarns.

Sheath

Polyurethane

Performance specifications

- Electrical resistance of current-carrying conductors to the direct current is not more than 180 Ohm/km
- Electrical resistance of insulation is not less than 100 mega ohm;
- Breaking strength is not less than 1,2 kN;
- Resistance to the rewinding over the roller 90 mm in diameter at tension of 120 N is not less than 3000 cycles.
- Pressurized in radial direction at the influence of hydrostatic pressure up to 2,5 MPa;
- Outer cable diameter — 4,5+0,2 mm;
- Estimated weight — 22 kg/km.

Service life of cable is not less than 10 years..