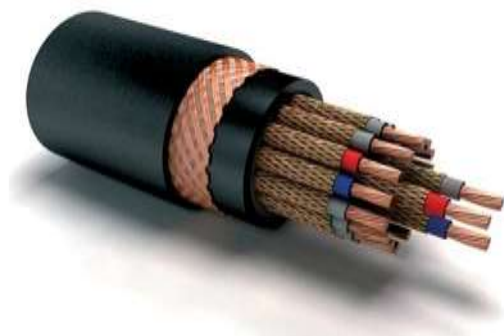


Ship pressurized power and control cables and wires in rubber insulation of КРНГ-60, **КРНЭГ-60**, КВДН-100, КВДНЭ-100, КЭВДН-100, КЭВДНЭ-100, КВДН-630, КВДНЭ-630, КЭВДН-630, КЭВДНЭ-630, КВДГ-250, КВДГ-630 types.

Standard Tech. spec. **ТУ 0293-002-07537654-2007**



Ship cables

### Application

The cables are used for power, control and connection circuits supply to the alternating voltage with frequency 400, 100000, 200000 Hz under the conditions of influence of longitudinal hydrostatic pressure up to 6, 10, 15, 63 MPa in the ambient temperature span from -40 to +50°C.

Admissible continuous conductor temperature is 65°C

**Flame retardant at single laying.**

### Design

**Current-carrying conductors**

**Circular copper multi-wired**

(for the cables of КВДГ-630 — spiral with cores of lavsan monofilament).

### Insulation

Rubber

### Conductor screen

Braid of copper wires (for the cables of КЭВДН, КЭВДНЭ types).

### Sheath

Oil-proof rubber.

### General screen

Braided copper wires (for КВДНЭ, КЭВДНЭ protected by the sheath) Braided of copper tinned wires (**for КРНЭГ unprotected by the sheath**. The spaces between the constructional elements are filled with the sealing compound.

## Ship pressurized cables

Electrical resistance of insulation, counted for the 1 km of length and temperature 20°C, not less than 100 megaohmΩ.

Life time of the cables resistant to the influence of hydrostatic pressure up to 10 MPa inclusive is 20 years, more than 10 MPa is 12 years.

Factory length of the cables is not less than 125m.

### Performance specification

Type of cables	Nominal frequency, Hz	Rated voltage, V		Number of the conductors	Nominal cross-section of the conductors, mm <sup>2</sup>
		ac voltage	dc voltage		
КРНГ-60, КРНЭГ-60	400	690	1000	1	4-300
				2, 3	4-95
КВДН-100, КВДНЭ-100 КВДН-630, КВДНЭ-630	400	690	1000	1	4-185
				2, 3	4-95
КВДН-100, КВДН-630	400	690	1000	2, 3	120
КРНГ-60, КРНЭГ-60; КВДН-100; КВДНЭ-100; КВДН-630; КВДНЭ-630	200000	1000	1500	1	2,5
КРНГ-60; КРНЭГ-60; КВДН-100; КВДНЭ-100; КЭВДН-100; КЭВДНЭ-100; КВДН-630; КВДНЭ-630; КЭВДНЭ-630, КЭВДН-630	200000	1000	1500	2, 3, 4, 5, 7, 10, 12, 14, 16, 19, 24, 27, 30, 33, 37	1,5; 2,5
КЭВДН-630	200000	1000	1500	3	95

Ship pressurized cables

КВДН-100; КВДН-630	100000	2000	-	1, 2, 4, 7, 19	2,5
КВДНЭ-100; КВДНЭ-630	100000	2000	-	1, 4, 7	2,5
КВДГ-250	400	690	1000	1, 2, 3, 4, 5, 7, 10	1,5; 2,5