



Application

Marine cables of MK type are intended for the towing and power supply of underwater systems.

Air temperature during cable operation is from minus 30°C to plus 50°C, sea water — from minus 4°C to plus 35°C.

Design

MKO, MKO-1	3 power copper conductors 6 mm ² in cross-section
	1 or 2 auxiliary copper conductors, cross-section 1,5 mm ² cross-section
	1 signal screened pair 0,75 mm ² in cross-section
MK 2	3 power copper conductors 1,5 mm ² in cross-section
	1 or 2 auxiliary copper conductors 1,5 mm ² in cross-section
	2 signal screened pairs 0,75 mm ² in cross-section

Insulation

Cross-linked polyethylene XLPE.

Load-carrying element

Aramid yarns situated between two rubber sheaths (MKO).

Sheath

Rubber.

For the cable of MK2 type reinforced with synthetic yarns.

Performance specifications

- rated operating voltage: of power conductors is 660 V, of auxiliary conductors — 50 V;
- electrical resistance of insulation of current-carrying conductors is not less than 100 mega ohm*km;
- Operating frequency of signal pair is 11 5 kHz ,wave impedance is not more than 120; damping coefficient is not more than 6,5 dB/km;
- Breaking tension of MKO cable type is not less than 200 kN
- Resistance of the cable of MKO type to the rewinding over the roller 1200 mm in diameter at tension not more than 30 kN is not less than 500 cycles;
- Pressurized in radial direction at the influence of hydrostatic pressure up to 2 MPa.

Cables are flame retardant at individual laying.

Service life of the cables is not less than 15 years.