



### ■ Small-sized ship cables - KMPEVE

## APPLICATION

Cables are designed for mounting of control, signaling, communication circuits, inter-instrument connections operating at rated alternating voltages of 500 and 1000 V, frequencies not exceeding 200 kHz or, respectively, at constant voltages of 750 and 1500 V. For indoor and outdoor fixed laying cables should be protected from direct exposure of solar radiation and mechanical damage.

## CONSTRUCTION

- 1.Current-carrying - soft copper wire, corresponds to class 4 for sections of 0.35-0.5 mm<sup>2</sup>, class 3 for sections of 0.75-4.0 mm<sup>2</sup> and class 2 for sections of 6.0-10.0 mm<sup>2</sup> according to state standard GOST 22483-77.
- 2.Insulation – polyethylene. Insulated cores have a distinctive color.
- 3.Twist – twisted in pairs of insulated cores.
- 4.Individual Shield – braided screen made of tinned copper wire or twist of tinned copper wire.
- 5.Wrapping – polyethylene terephthalate, polyvinyl chloride, or polyamide film.
- 6.Sheath – polyvinylchloride.
- 7.Overall shield - tinned copper wire.

## USAGE GUIDELINES

Climatic version – UHL (temperately cold) and T (tropical), environmental categories 3-4 as per state standard GOST 15150.

Operating temperature range ..... from -50 °C to 65 °C.

Relative air humidity at a temperature 35 °C ..... up to 98 %.

Cable conductor continuous heating temperature during operation ..... not more than 70 °C.

Cables can be pulled without preheating at a temperature ..... not lower than -15 °C.

Installation of cables with preheating is allowed at a temperature not lower than - 30 °C

Minimum cable bending radius .....at least 3 outside diameters.

Cables are flame retardant.

Cables are fungus resistant, resistant to salt-spray, and statistical dust.

Cables are resistant to fuels and lubricants and PGV fluids.

Cable service life ..... at least 15 years.

| Cable make-up | Cross-section area, mm <sup>2</sup> | Number of cores                        | Rated ac voltage, V |
|---------------|-------------------------------------|--|---------------------|
| <b>KMPEVE</b> | 0,35-1,0                            | 2, 3, 4, 7, 12, 14, 19, 24, 27, 37, 52 | 500                 |
|               | 0,75                                | 16x2e*, 19x2e*, 37x2e*                 | 500                 |
|               | 1,5                                 | 2, 3, 4, 7, 12, 14, 19, 24, 27, 37, 52 | 500, 1000           |



- Die obigen Werte entsprechen den Angaben des Herstellers und können nicht garantiert werden.
- Wir behalten uns das Recht vor, Änderungen ohne vorherige Ankündigung vorzunehmen.
- Alle anderen Größen oder andere Ausführungen auf Anfrage

- The above values correspond to the manufacturer's specifications and are not guaranteed.
- We reserve the right to change details without notice.
- Any other sizes or any other designs available on request.

### SHIPBOARD & MARINE LOAD BEARING CABLES

- Copper conductor shipboard cable with rubber insulation in a sheathing made of oil resistant rubber that does not propagate combustion.
- Copper conductor shipboard cables with rubber insulation with a screen made of copper wires placed between two PVC sheaths.
- Improved fire safety shipboard cables. Improved fire safety cables with sheathing made of halogenfree thermosetting non-combustible compound.
- Improved fire safety shipboard cables with crosslinked polyethylene insulation in a sheathing made of a polymer compound containing no halogens.
- Wires for electrical installations.
- Portable hydrophone cables.
- Flexible floating cables. Flexible load bearing cables. Flexible cables withstanding tensile loads.
- Portable fire-resistant cables not propagating combustion with low smoke and gas discharge.

Today the plant can offer consumers a wide range of products for shipbuilding, from the already recognized on the market cables in accordance with GOST 7866.1-76 and GOST 7866.2-76 to modern developments of shipboard cables produced with consideration of high requirements of electrical and fire safety during operation.

**Cables have the approval of the Russian River Register and the Russian Maritime Register of Shipping.**

Our company closely cooperates with the Maritime and River Register of Shipping. Products for the shipbuilding industry are delivered with acceptance. There were no complaints on the products' quality from RMRS and RRR.