



Technical specification of Ukraine
TY Y 27.3-0021 7099-048:2014

Application

Cables are intended for the group cable laying in cable works and indoor electric installations' areas, including nuclear power engineering facilities, outside the containment area of NPP, in NPP systems of the 3rd and 4th classes.

Cables are produced in B climatic version, placement category is 5 acc. to state brunch standard.

Current-carrying conductors

Copper conductor is of 4th class of flexibility for the cross-sections from 0,35 to 0,5 mm², of 3rd class of flexibility for the cross-sections from 0,75 to 2,5 mm².

Insulation

Polyethylene for the cables of KMPVng-LS, KMPVEng-LS, KMPVEVng-LS, KMPEVng-LS, KMPEVEng-LS, KMPEVEVng-LS types. Cross-linked polyethylene for the cables of KMPvVng-FRLS, KMPvVEng-FRLS, KMPvVEVng-FRLS, KMPvEVEng-FRLS, KMPvEVEVng-FRLS types.

Self-extinguishing polyethylene composition for the cables of KUPsEVng-LS, KUPsEVng-FRLS types.

Screen

As braid or lay of copper tinned wires (for managing, compact cables).

Collective screen

As braid of copper tinned wires (for the cables of KUPsEVng-LS, KUPsEVng-FRLS, KMPVEng-LS, KMPVEVng-LS, KMPEVEng-LS, KMPEVEVng-LS, KMPvVEng-FRLS, KMPvVEVng-FRLS, KMPvEVEng-FRLS, KMPvEVEVng-FRLS).

Sheath

PVC compound of low fire hazard

Number of the conductors, pairs, nominal cross-section of the conductors, rated alternating voltage of the cables comply with the values shown in the table.

Type of cable	Nominal cross-section of the conductors, mm ²	Number of the conductors (pairs of the conductors)	Rated voltage, V
KMPVng-LS, KMPvVng-FRLS	0,35	1, 2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37, 52	500
	0,5 – 1,5	1, 2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37, 52	500, 1000
	2,5	1, 2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37	500, 1000
KMPVEng-LS, KMPvVEng-FRLS, KMPVEVng-LS, KMPvVEVng-FRLS	0,35	2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37, 52	500
	0,5 – 1,5	2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37, 52	500, 1000
	2,5	1, 2, 3, 4, 7, 10, 12, 14, 19, 24, 27, 30, 37	500, 1000
КМПЭВнг-LS, КМПвЭВнг-FRLS, КМПЭВЭнг-LS, КМПвЭВЭнг-FRLS	0,35 – 1,0	2, 3, 4, 7, 12, 14, 19, 24, 27, 37, 52	500
	0,35, 0,75	16x2э [*]), 19x2э [*]), 37x2э [*])	500
	1,5	2, 3, 4, 7, 12, 14, 19, 24, 27, 30, 37	500, 1000
KUPsEVng-LS, KUPsEVng-FRLS	0,35, 0,5	(2), (4), (7), (8), (10), (14), (19), (37), (52)	250

Note - By agreement between the purchaser and the manufacturer it is possible to manufacture cables with a number of conductors or pairs of the conductors of nominal cross-section and operating voltage, which are not shown in the table.

*) cables with screened pairs of the conductors

Mechanical parameters:

- temperature change from -50°C up to +65°C;
- relative air humidity under the temperature of 35°C is 98%;
- Cables resistant to the exposure of mould fungi;

Factory length are specified with order.

Warranty lifetime is 3 years.