



## АСШнг 4х50(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-sheathed, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *with no risk of mechanical damage in operation*
- *in bunches*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ1300000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category B*

### TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	4 x 50
Insulation thickness between conductors	mm	1.5
Insulation thickness of conductor-sheath	mm	1.25
Sheath thickness	mm	1.21
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	136
• <i>by burial</i>	A	142
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	450
Level difference along the laying rout, not more than	m	20
Metal sheath outer diameter (for reference only)	mm	24
Rated outer diameter of the cable (for reference) **	mm	30
Cable weight (approximate)	kg/km	2000
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16: 420 • 1.1

Notes:

*When ordering it is necessary to agree the factory length of the product with the manufacturer*

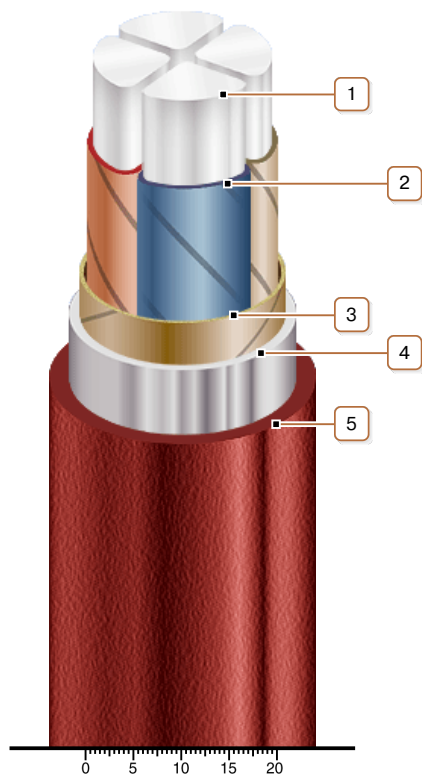
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to ± 10 %



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### CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Belt insulation
4. Lead sheath
5. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*