



## СПЛШнг 4х50-1 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *in soil (trenches) with medium corrosiveness, as well as with vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*
- *in bunches*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

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

### 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 continious current rating *		
• <i>by aerial laying</i>	A	181
• <i>by burial</i>	A	186
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	630
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	25
Rated outer diameter of the cable (for reference) **	mm	42
Cable weight (approximate)	kg/km	5470
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 570 • 3.4 # 18: 660 • 4.1

Notes:

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

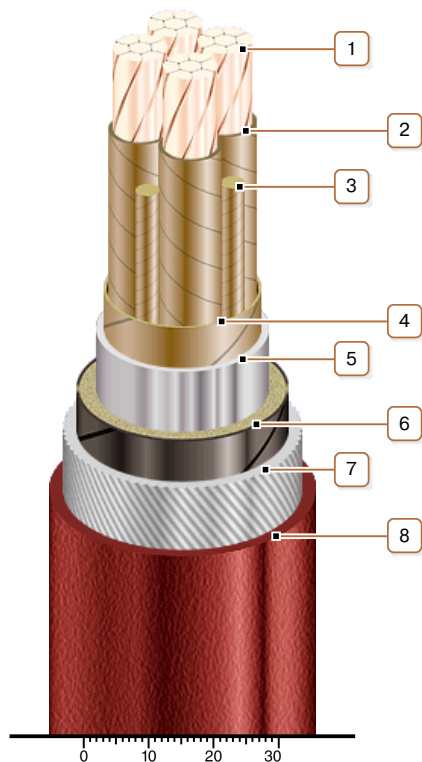
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Copper multiwire compact conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Lead sheath
6. Single-layer plastic-tape bedding
7. Round galvanized steel-wire armour
8. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*