

## СПЛШнг 3х35(ож)-10 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	10
Number and rated area of conductors	mm <sup>2</sup>	3 x 35
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.32
Permissible continious current rating *		
• <i>by aerial laying</i>	A	142
• <i>by burial</i>	A	144
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	675
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	28
Rated outer diameter of the cable (for reference) **	mm	45
Cable weight (approximate)	kg/km	5100
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 480 • 2.7 # 18: 550 • 3.3

Notes:

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

\* Long permissible current loads are calculated 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

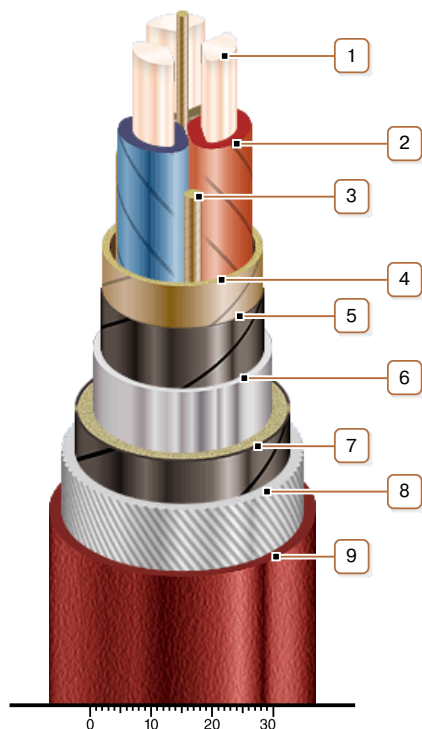
\*\* The external diameter may differ from the rated up to ± 10 %



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### CONSTRUCTION



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

*Note: Conductor twisting is not illustrated*