

**СПл 3x50(ож)-6**  
**ТУ У 27.3-00214534-091:2017**

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured

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*

**TECHNICAL SPECIFICATIONS**

Rated voltage	kV	6
Number and rated area of conductors	mm <sup>2</sup>	3 x 50
Insulation thickness between conductors	mm	4
Insulation thickness of conductor-sheath	mm	2.95
Sheath thickness	mm	1.26
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	200
• <i>by burial</i>	A	197
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	645
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	26
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	4850
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 2.8 # 18: 600 • 3.4

Notes:

*When ordering it is necessary 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*

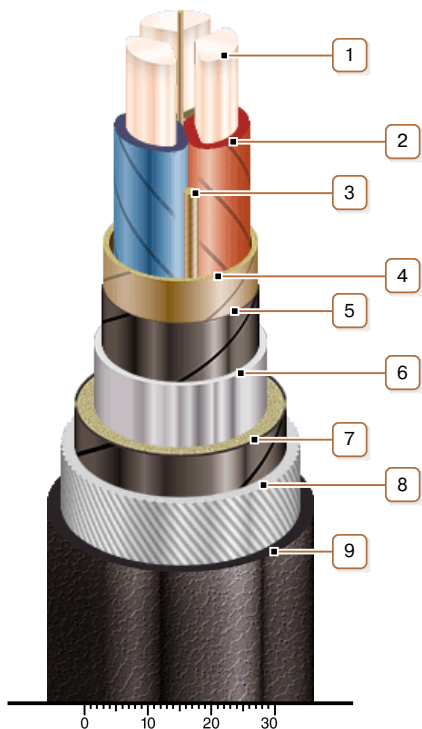
*\*\* The external diameter may differ from the rated up to ± 10 %*



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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. Outer covering

*Note: Conductor twisting is not illustrated*