



## ААБл 4х150(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured

Cables are used for laying:

- *in soil (trenches) with medium corrosiveness without vagabond currents*
- *with a risk of mechanical damage and no tensile forces in operation*

### TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	4 x 150
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.5
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	279
• <i>by burial</i>	A	261
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	1225
Level difference along the laying rout, not more than	m	25
Metal sheath outer diameter (for reference only)	mm	38
Rated outer diameter of the cable (for reference) **	mm	49
Cable weight (approximate)	kg/km	3790
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 460 • 2.2

Notes:

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

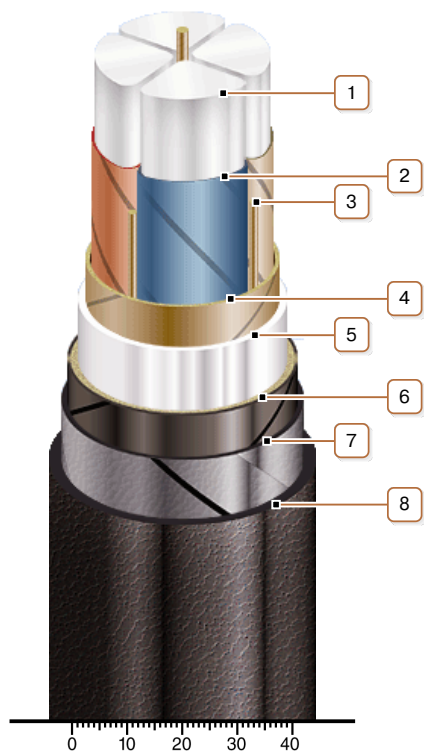
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### **CONSTRUCTION**

1. *Aluminium conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Aluminium sheath*
6. *Single-layer plastic-tape bedding*
7. *Double steel-tape armour*
8. *Outer covering*

*Note: Conductor twisting is not illustrated*