**ААБл 4х50(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

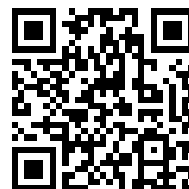
Rated voltage	kV	1
Number and rated area of conductors	mm ²	4 x 50
Insulation thickness between conductors	mm	1.5
Insulation thickness of conductor-sheath	mm	1.25
Sheath thickness	mm	1.3
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	136
• <i>by burial</i>	A	142
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	900
Level difference along the laying rout, not more than	m	25
Metal sheath outer diameter (for reference only)	mm	24
Rated outer diameter of the cable (for reference) **	mm	36
Cable weight (approximate)	kg/km	1880
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 780 • 1.7

Notes:

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

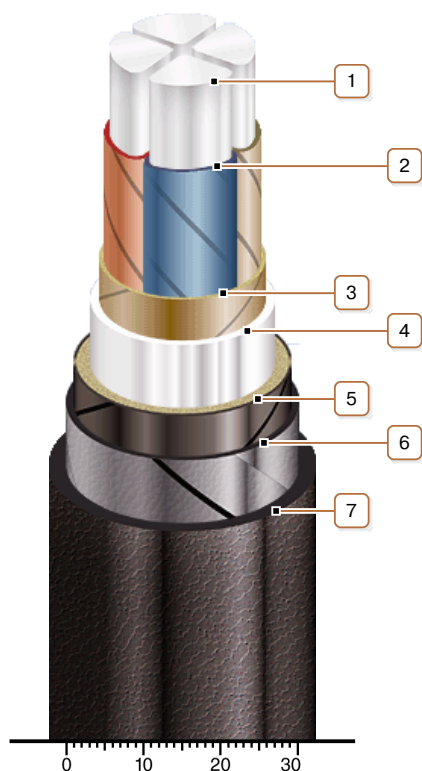
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



ААБл 4х50(ож)-1 **ТУ У 27.3-00214534-091:2017**

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



CONSTRUCTION

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

Note: Conductor twisting is not illustrated