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## ААП2лШв 4x50(ож)-1 ТУ У 27.3-00214534-091:2017



Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-wire armoured, with PVC-compound protection hose

Cables are used for laying:

- in soil (trenches) with high corrosiveness, as well as with vagabond currents
- in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes
- in fire-risk premises
- · on technological trestles
- with a risk of mechanical damage and tensile forces in operation

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

## **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 50
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.3
Permissible continious current rating *		
• by aerial laying	А	136
• by burial	А	142
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1025
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	24
Rated outer diameter of the cable (for reference) **	mm	41
Cable weight (approximate)	kg/km	3150
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 570 • 2.1
on the drums ***		# 18: 660 • 2.5
Notes'		

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  $\pm$  10 %



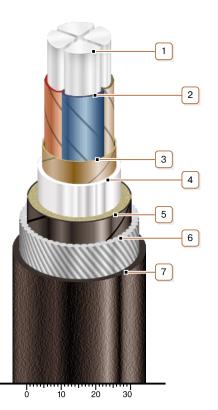


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## **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Aluminium sheath
- 5. Double-layer plastic-tape bedding
- 6. Round galvanized steel-wire armour
- 7. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated