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# ААБ2лШв 3х150(ож)-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with high corrosiveness without 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
- · on technological trestles
- · in mines, non-hazardous as for gas and dust
- · with a risk of mechanical damage and no tensile forces in operation

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

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	3 x 150
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.4
Permissible continious current rating *		
• by aerial laying	Α	300
• by burial	Α	281
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1125
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	31
Rated outer diameter of the cable (for reference) **	mm	45
Cable weight (approximate)	kg/km	3280
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 480 • 1.8
on the drums ***		# 18: 550 • 2.3

#### Notes

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



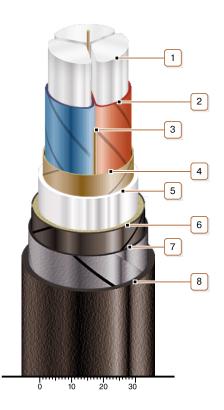




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### **CONSTRUCTION**

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

Note: Conductor twisting is not illustrated