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# ААП2лШв 3х70(ож)-10 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: ПБ100000000

Products of this mark meet the requirements:

· single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	10
Number and rated area of conductors	mm²	3×70
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.45
	111111	1.45
Permissible continious current rating *		
<ul> <li>by aerial laying</li> </ul>	Α	161
• by burial	Α	162
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1275
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	33
Rated outer diameter of the cable (for reference) **	mm	51
Cable weight (approximate)	kg/km	4440
Rated factory cable length and gross weight of the delivery	m, t	# 18: 430 · 2.4
on the drums ***		# 20: 680 • 3.7

#### 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 %



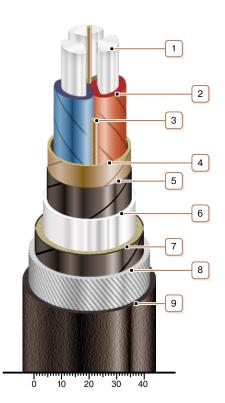




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### **CONSTRUCTION**

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

Note: Conductor twisting is not illustrated