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# ААБнлШнг 3х50(ож)-10 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in fire-risk premises
- · on technological trestles
- · with a risk of mechanical damage and no tensile forces in operation
- in bunches

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- · single wire cable flame retardance
- · bunched cable flame retardance category A

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	10
Number and rated area of conductors	mm²	3 x 50
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.35
Permissible continious current rating *		
• by aerial laying	Α	132
• by burial	Α	134
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1075
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	30
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	2690
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 520 • 1.7
on the drums ***		# 18: 600 • 2.1

#### 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 %



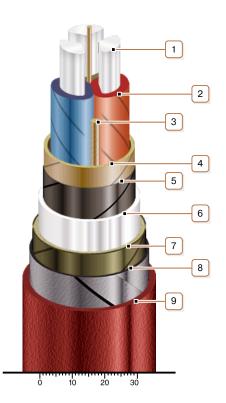




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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Plastic-tape and glass-tape bedding
- 8. Double galvanized steel-tape armour
- 9. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated