**ААГ 3x35(ож)-10**  
**ТУ У 27.3-00214534-091:2017**

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises*
- *in fire-risk premises*
- *with no risk of mechanical damage 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**

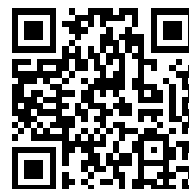
Rated voltage	kV	10
Number and rated area of conductors	mm <sup>2</sup>	3 x 35
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.35
Permissible continious current rating *		
• <i>by aerial laying</i>	A	106
• <i>by burial</i>	A	110
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	750
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	28
Rated outer diameter of the cable (for reference) **	mm	30
Cable weight (approximate)	kg/km	1140
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16: 420 • 0.7

Notes:

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

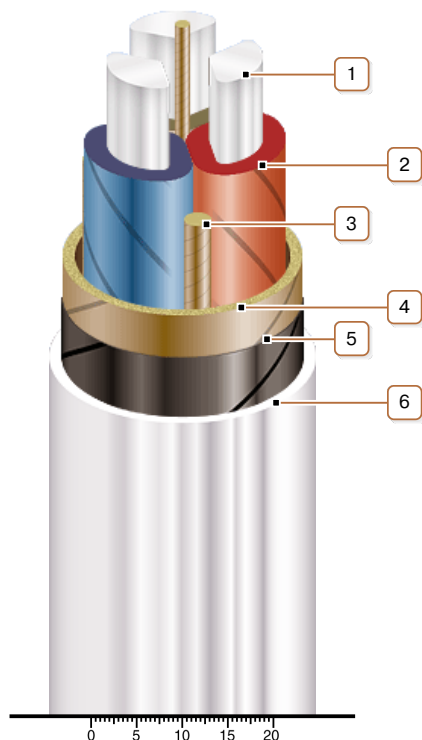
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed



### **CONSTRUCTION**

1. Aluminium conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Aluminium sheath

*Note: Conductor twisting is not illustrated*