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ААШнг 3х35(ож)-1
ТУ У 27.3-00214534-091:2017



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

Cables are used for laying:

- · in soil (trenches) with high corrosiveness without vagabond currents
- · in soil (trenches) with medium 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 bridges
- · in mines, non-hazardous as for gas and dust
- · with no risk of mechanical damage 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	1
Number and rated area of conductors	mm²	3 x 35
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.15
Permissible continious current rating *		
• by aerial laying	Α	118
• by burial	Α	126
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	575
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	18
Rated outer diameter of the cable (for reference) **	mm	23
Cable weight (approximate)	kg/km	800
Rated factory cable length and gross weight of the delivery	m, t	# 16: 660 • 0.8
on the drums ***		

## 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 %



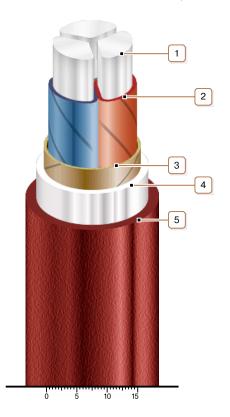




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## **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Aluminium sheath
- 5. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated