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# ААБлГ 1х500-3 ТУ 16.К71-269-97

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured

Cables are used for laying:

- 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
- · on special cable bridges
- · on bridges
- · with a risk of mechanical damage and no tensile forces in operation

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ100000000

Products of this mark meet the requirements:

· single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	3
Number and rated area of conductors	mm²	1 x 500
Insulation thikness of conductor-sheath	mm	2.4
Sheath thikness	mm	1.45
Permissible continious direct current rating *		
• by aerial laying	Α	966
• by burial	Α	752
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1025
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	35
Rated outer diameter of the cable (for reference) **	mm	41
Cable weight (approximate)	kg/km	3150
Rated factory cable length and gross weight of the delivery	m, t	# 18: 660 • 2.5
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 multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Aluminium sheath
- 4. Single-layer plastic-tape bedding
- 5. Double galvanized steel-tape armour