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## ААБл 3x35+1x16(ож)-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- · with a risk of mechanical damage and no tensile forces in operation

## **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 35 + 1 x 16
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	775
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	20
Rated outer diameter of the cable (for reference) **	mm	31
Cable weight (approximate)	kg/km	1480
Rated factory cable length and gross weight of the delivery	m, t	# 16: 370 • 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 %



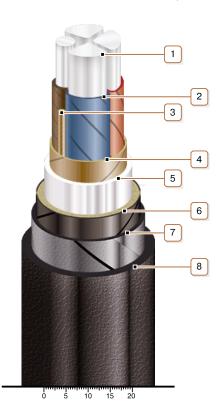




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## **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Aluminium sheath
- 6. Single-layer plastic-tape bedding
- 7. Double steel-tape armour
- 8. Outer covering

Note: Conductor twisting is not illustrated