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## АСБ 4x120(ож)-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- in soil (trenches) with low corrosiveness, as well as with vagabond currents
- in mines, non-hazardous as for gas and dust
- 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	4 x 120
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.42
Permissible continious current rating *		
by aerial laying	Α	243
• by burial	Α	231
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	690
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	46
Cable weight (approximate)	kg/km	4580
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 480 • 2.5
on the drums ***		# 18: 550 • 3.0

#### 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 during operation in four-wire networks with load in all the conductors 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 %



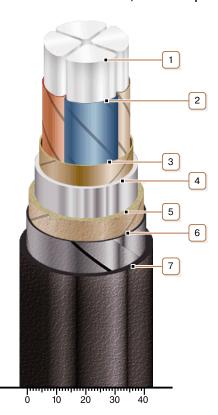




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## **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Lead sheath
- 5. Bedding
- 6. Double steel-tape armour
- 7. Outer covering

Note: Conductor twisting is not illustrated