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## ААБл 3х120-10 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**

		4.0
Rated voltage	kV	10
Number and rated area of conductors	mm²	3 x 120
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.65
Permissible continious current rating *		
• by aerial laying	А	234
• by burial	А	218
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1300
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	41
Rated outer diameter of the cable (for reference) **	mm	52
Cable weight (approximate)	kg/km	3870
Rated factory cable length and gross weight of the delivery	m, t	# 18: 430 • 2.1
on the drums ***		# 20: 680 • 3.3
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  $^{\circ}\!K\!\cdot\!m/W$ , laying depth in the soil 0.7 m

 $^{**}$  The external diameter may differ from the rated up to  $\pm$  10 %

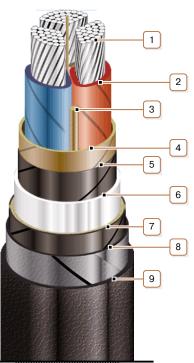




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#### 0 10 20 30 40

## CONSTRUCTION

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

Note: Conductor twisting is not illustrated

