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## ААПл 4x150-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- · with a risk of mechanical damage and tensile forces in operation

## **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 150
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.55
Permissible continious current rating *		
by aerial laying	Α	279
• by burial	Α	261
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1425
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	40
Rated outer diameter of the cable (for reference) **	mm	57
Cable weight (approximate)	kg/km	5910
Rated factory cable length and gross weight of the delivery	m, t	# 18: 340 • 2.5
on the drums ***		# 20: 550 • 3.9
		# 22: 620 • 4.5

#### 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 %



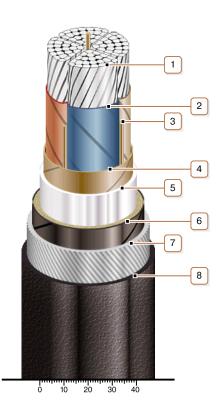




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## **CONSTRUCTION**

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

Note: Conductor twisting is not illustrated