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ААП2л 3х120-6 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, as well as with vagabond currents

• with a risk of mechanical damage and tensile forces in operation

TECHNICAL SPECIFICATIONS

Rated voltage	kV	6
Number and rated area of conductors	mm²	3 x 120
Insulation thikness between conductors	mm	4
Insulation thikness of conductor-sheath	mm	2.95
Sheath thikness	mm	1.5
Permissible continious current rating *		
• by aerial laying	Α	248
• by burial	А	243
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1350
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	37
Rated outer diameter of the cable (for reference) **	mm	54
Cable weight (approximate)	kg/km	5130
Rated factory cable length and gross weight of the delivery	m, t	# 18: 400 • 2.5
on the drums ***		# 20: 630 • 3.9
		# 22: 720 • 4.5

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 °K • m/W, laying depth in the soil 0.7 m

** The external diameter may differ from the rated up to \pm 10 %

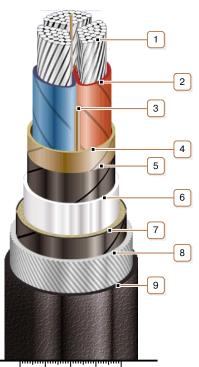




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CONSTRUCTION

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

Note: Conductor twisting is not illustrated

0 10 20 30 40

