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ААП2л 3х120+1х70(ож)-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, as well as with 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	3 x 120 + 1 x 70
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.4
Permissible continious current rating *		
by aerial laying	Α	261
• by burial	Α	248
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1250
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	33
Rated outer diameter of the cable (for reference) **	mm	50
Cable weight (approximate)	kg/km	4400
Rated factory cable length and gross weight of the delivery	m, t	# 18: 460 • 2.5
on the drums ***		# 20: 740 • 3.9

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 %



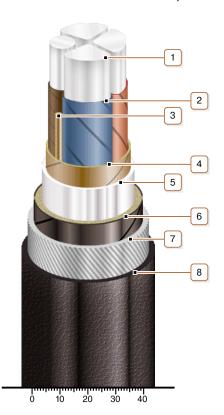




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CONSTRUCTION

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

Note: Conductor twisting is not illustrated