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ААП2лШв 4х120-1 ТУ У 27.3-00214534-091:2017



Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-wire armoured, with PVC-compound protection hose

Cables are used for laying:

• in soil (trenches) with high corrosiveness, as well as with vagabond currents

• in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes

- in fire-risk premises
- · on technological trestles

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

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

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	1.5
Permissible continious current rating *		
• by aerial laying	А	243
• by burial	А	231
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1325
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	36
Rated outer diameter of the cable (for reference) **	mm	53
Cable weight (approximate)	kg/km	5500
Rated factory cable length and gross weight of the delivery	m, t	# 18: 400 • 2.7
on the drums ***		# 20: 630 • 4.1
Notes:		

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

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



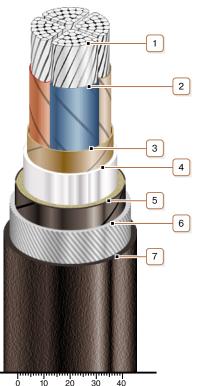


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CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Aluminium sheath
- 5. Double-layer plastic-tape bedding
- 6. Round galvanized steel-wire armour
- 7. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated

10 20 30 40