



## АСПлШнг 4x120(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- in soil (trenches) with medium 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 corrosiveness
- with a risk of mechanical damage and tensile forces in operation
- in bunches

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- single wire cable flame retardance
- bunched cable flame retardance category A

### TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	4 x 120
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.42
Permissible continuous current rating *		
• by aerial laying	A	243
• by burial	A	231
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	765
Level difference along the laying route, not more than	m	25
Metal sheath outer diameter (for reference only)	mm	35
Rated outer diameter of the cable (for reference) **	mm	51
Cable weight (approximate)	kg/km	6320
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 370 • 2.6 # 18: 430 • 3.2 # 20: 680 • 4.9

Notes:

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

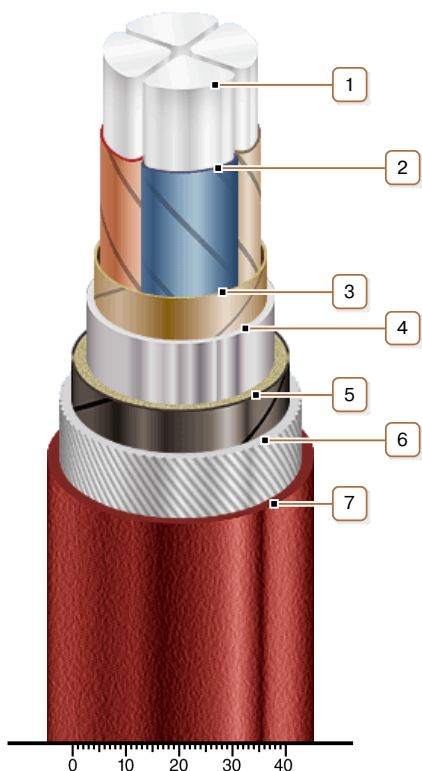
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Belt insulation
4. Lead sheath
5. Single-layer plastic-tape bedding
6. Round galvanized steel-wire armour
7. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated