

**ААБнлГ 3х120-10**  
**ТУ У 27.3-00214534-091:2017**

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

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *on bridges*
- *with a risk of mechanical damage and no 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	10
Number and rated area of conductors	mm <sup>2</sup>	3 x 120
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.65
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	234
• <i>by burial</i>	A	218
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	1175
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	41
Rated outer diameter of the cable (for reference) **	mm	47
Cable weight (approximate)	kg/km	3600
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 500 • 2.3

Notes:

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

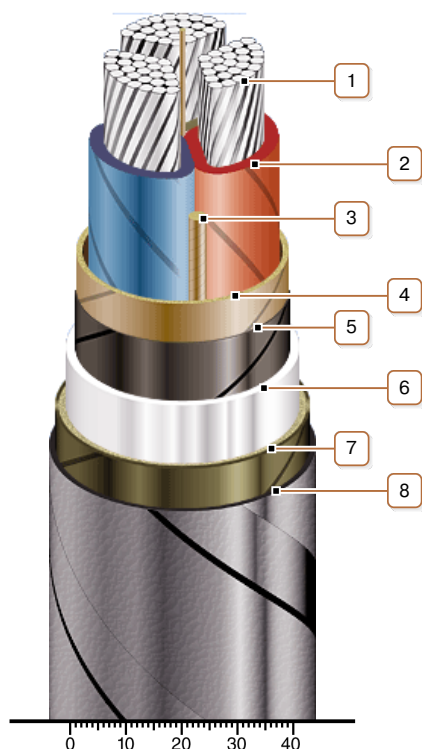
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to ± 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. Plastic-tape and glass-tape bedding
8. Double galvanized steel-tape armour

*Note: Conductor twisting is not illustrated*