**ААБВШнг 3х120-1**
ТУ У 27.3-00214534-091:2017

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

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*
- *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

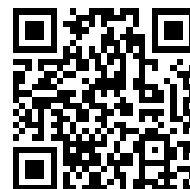
Rated voltage	kV	1
Number and rated area of conductors	mm ²	3 x 120
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.4
Permissible continious current rating *		
• <i>by aerial laying</i>	A	261
• <i>by burial</i>	A	248
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	1100
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	31
Rated outer diameter of the cable (for reference) **	mm	44
Cable weight (approximate)	kg/km	3160
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 1.9 # 18: 600 • 2.4

Notes:

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

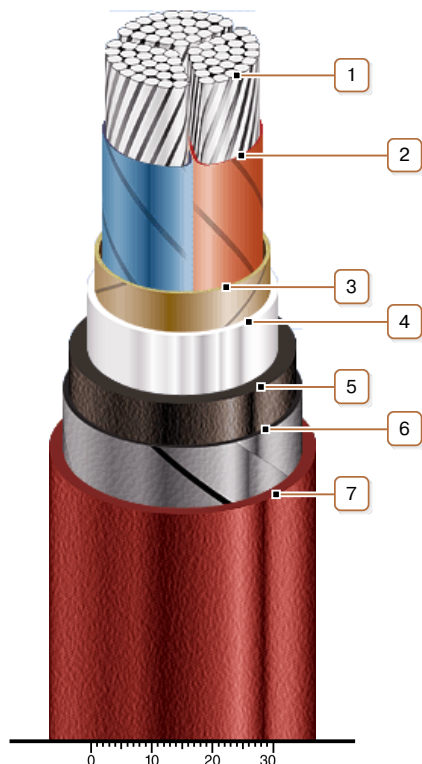
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



ААБВШнг 3х120-1 ТУ У 27.3-00214534-091:2017

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



CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Belt insulation
4. Aluminium sheath
5. Bedding with PVC compound moulded-in hose
6. Double galvanized steel-tape armour
7. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated