7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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180103-314000200000

АВБбШнг 1х400-3
ТУ У 31.3-00214534-018-2003

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

Cables are used for laying:
- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

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	3
Number and rated area of conductors	mm^2	1 x 400
Phase insulation thikness	mm	2.6
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	544
• *by burial*	A	485
Permissible continious current rating (DC) *		
• *by aerial laying*	A	693
• *by burial*	A	753
Maximum permissible conductor temperature		
• *Continious*	˚C	+70
• *in emergency operation*	˚C	+90
• *at short circuit*	˚C	+140
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	390
Rated outer diameter of the cable (for reference) **	mm	39
Cable weight (approximate)	kg/km	2450
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 630 • 1.8 # 18: 720 • 2.2

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 %*

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АВБбШнг 1х400-3
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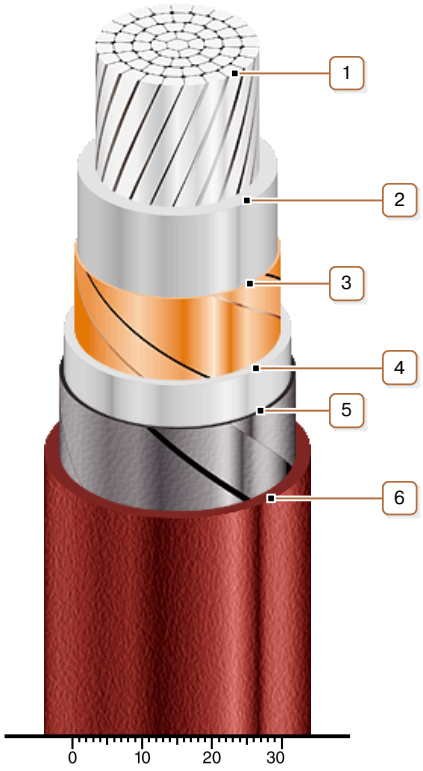
Power cables with aluminium conductors, with PVC-compound insulation, galvanized steel-tape armoured, with low-flammable PVC-compound protection hose



CONSTRUCTION

1. *Aluminium multiwire compacted conductor*
2. *PVC compound insulation*
3. *Copper screen*
4. *PVC compound belt insulation*
5. *Double galvanized steel-tape armour*
6. *Pressed off low-flammable PVC compound protection hose*

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