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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180133-110500200000

АПвВГнг 1х50-1
ТУ У 31.3-00214534-018-2003

Power cables with aluminium conductors, XLPE-insulated, with low-flammable PVC-compound outer sheath

Cables are used for laying:
- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*

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	1 x 50
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	171
• *by burial*	A	161
Permissible continious current rating (DC) *		
• *by aerial laying*	A	217
• *by burial*	A	251
Maximum permissible conductor temperature		
• *Continious*	˚C	+90
• *in emergency operation*	˚C	+130
• *at short circuit*	˚C	+250
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	150
Rated outer diameter of the cable (for reference) **	mm	15
Cable weight (approximate)	kg/km	250
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 12: 1450 • 0.5

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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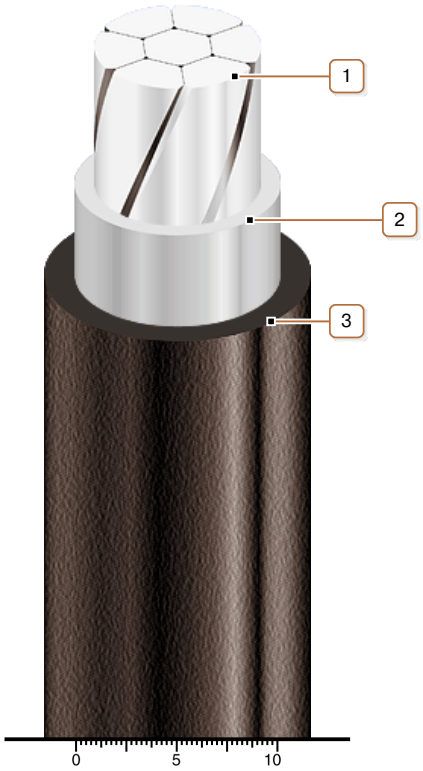

CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. XLPE insulation
3. Low flammable PVC compound outer sheath

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