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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180124-112400200000

ПвБбШв 1х240-1
ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with PVC-compound protection hose

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

Manufacturing of non-galvanized armoured cable, covered with a layer of bitumen and PET film is possible
Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	1 x 240
Phase insulation thikness	mm	1.7
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	641
• *by burial*	A	515
Permissible continious current rating (DC) *		
• *by aerial laying*	A	821
• *by burial*	A	812
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	310
Rated outer diameter of the cable (for reference) **	mm	31
Cable weight (approximate)	kg/km	2850
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 610 • 1.9 # 16a: 990 • 3.1

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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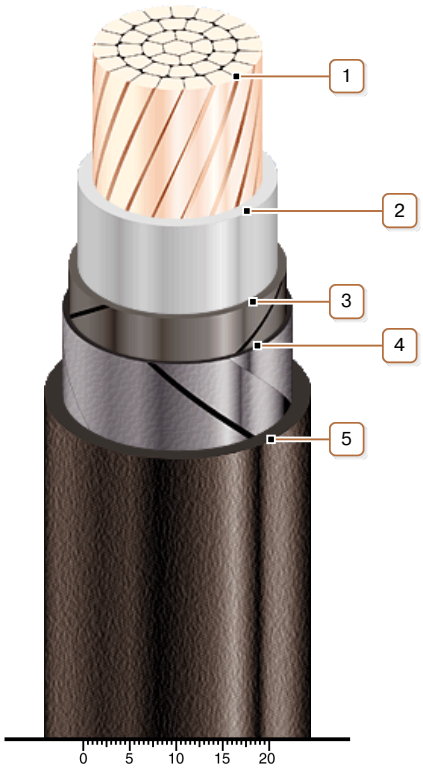

CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *XLPE insulation*
3. *Tape core wrapping*
4. *Double galvanized steel-tape armour*
5. *Pressed PVC compound protection hose*

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