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ПвБВнг 1x300-1 ТУ У 31.3-00214534-018-2003



Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with low-flammable PVC-compound outer sheath

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

Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ120000000 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	mm²	1 x 300
Phase insulation thikness	mm	1.8
Permissible continious current rating (AC of industrial frequence	cy) *	
• by aerial laying	А	739
• by burial	А	575
Permissible continious current rating (DC) *		
• by aerial laying	А	956
• by burial	А	924
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	340
Rated outer diameter of the cable (for reference) **	mm	34
Cable weight (approximate)	kg/km	3430
Rated factory cable length and gross weight of the delivery	m, t	# 14: 540 • 2.0
on the drums ***		# 16a: 870 • 3.2
		# 18: 1000 • 3.9

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 \pm 10 %

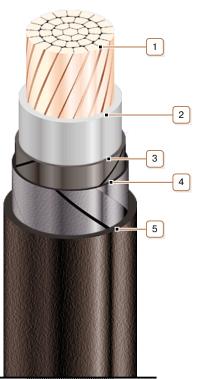




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CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. XLPE insulation
- 3. Tape core wrapping
- 4. Double galvanized steel-tape armour
- 5. Low flammable PVC compound outer sheath

0 5 10 15 20