



ВВГ 1x50-1

ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, with PVC-compound insulation, with PVC-compound outer sheath

Cables are used for laying:

- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*

Manufacturing of cable with multiwire conductors 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 50
Phase insulation thickness	mm	1.4
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	179
• <i>by burial</i>	A	194
Permissible continuous current rating (DC) *		
• <i>by aerial laying</i>	A	227
• <i>by burial</i>	A	295
Maximum permissible conductor temperature		
• <i>Continious</i>	°C	+70
• <i>in emergency operation</i>	°C	+90
• <i>at short circuit</i>	°C	+160
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	550
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 12: 1450 • 0.9

Notes:

When ordering it is necessary 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*

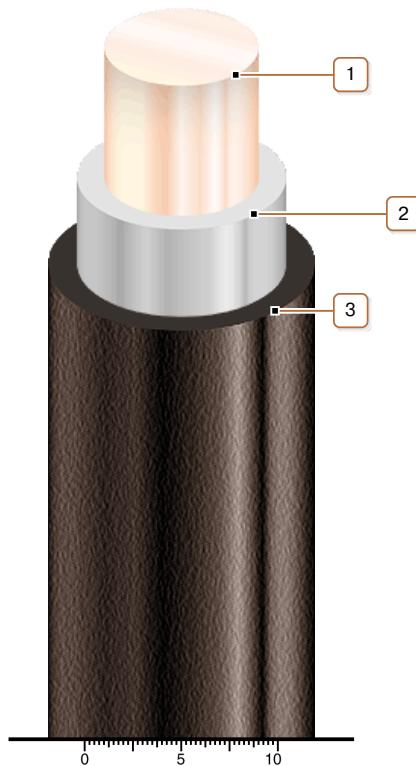
*** The external diameter may differ from the rated up to ± 10 %*



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CONSTRUCTION

1. Copper conductor
2. PVC compound insulation
3. PVC compound outer sheath