
**ВВГ 1x500-1
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*

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 500
Phase insulation thickness	mm	2.8
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	792
• <i>by burial</i>	A	690
Permissible continuous current rating (DC) *		
• <i>by aerial laying</i>	A	1054
• <i>by burial</i>	A	1121
Maximum permissible conductor temperature		
• <i>Continous</i>	°C	+70
• <i>in emergency operation</i>	°C	+90
• <i>at short circuit</i>	°C	+140
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	380
Rated outer diameter of the cable (for reference) **	mm	38
Cable weight (approximate)	kg/km	5090
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 700 • 3.8 # 18: 800 • 4.5

Notes:

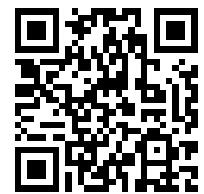
When ordering it is necessary to agree the factory length of the product with the manufacturer

** 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*

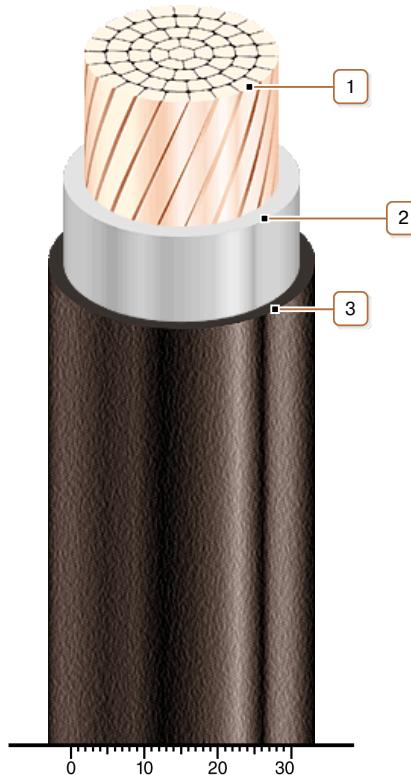
*** The external diameter may differ from the rated up to ± 10 %*



180109-115000200000

**ВВГ 1x500-1
ТУ У 31.3-00214534-048:2007**

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

**CONSTRUCTION**

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