180132-110160100000

ПвВГ 1x16-1
ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, 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 16
Phase insulation thikness	mm	0.7
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	108
• *by burial*	A	115
Permissible continious current rating (DC) *		
• *by aerial laying*	A	139
• *by burial*	A	175
Maximum permissible conductor temperature		
• *Continious*	℃	+90
• *in emergency operation*	℃	+130
• *at short circuit*	℃	+250
Operating temperature range	℃	-50 … +50
Minimum bending radius by laying	mm	100
Rated outer diameter of the cable (for reference) **	mm	10
Cable weight (approximate)	kg/km	190

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer
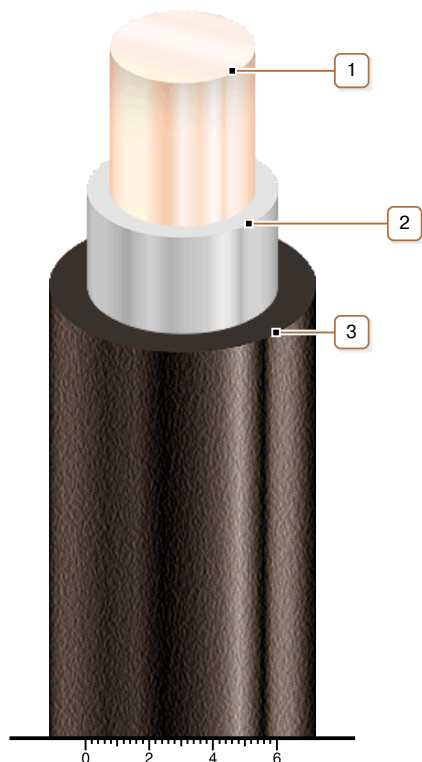
* Long permissible current loads are calculated for the following conditions: air temperature plus 25 ℃, soil temperature plus 15 ℃,

thermal resistivity of soil 1.2 ℃·m/W, laying depth in the soil 0.7 m

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

180132-110160100000

ПвВГ 1х16-1
ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, with PVC-compound outer sheath

CONSTRUCTION

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