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# ВВГнг-К 3x25/16-1 ТУ У 31.3-00214534-048:2007



Power cables with copper conductors, with PVC compound insulation, with concentric conductor, with low-flammable PVC-compound protection hose

Cables are used for laying:

- in bunches
- in premises, dry ducts and tunnels, in corrosive environment
- in locations, where a high level of electrical protection is required

It is possible to manufacture armoured cable

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000 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	3 x 25
Nominal cross-section area of concentric conductor	mm²	16
Phase insulation thikness	mm	1.2
Permissible continious current rating (AC of industrial frequen	су) *	
• by aerial laying	Α	112
• by burial	А	133
Maximum permissible conductor temperature		
Continious	°C	+70
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	210
Rated outer diameter of the cable (for reference) **	mm	28
Cable weight (approximate)	kg/km	1480
Rated factory cable length and gross weight of the delivery	m, t	# 14: 800 • 1.4
on the drums ***		

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  $^{\circ}K^{\bullet}m/W$ , laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to  $\pm$  10 %

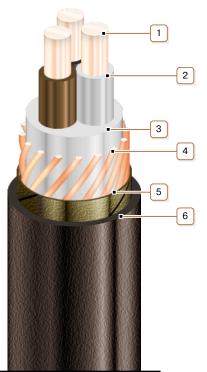




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### **CONSTRUCTION**

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PVC compound belt insulation
- 4. Concentric copper conductor
- 5. Lapping layer of nonwoven cloth tape
- 6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 5 10 15 20