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## ВВГ 5x50-1 ГОСТ 16442-80,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 Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ100000000 Products of this mark meet the requirements:

• single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	5 x 50
Phase insulation thikness	mm	1.4
Permissible continious current rating (AC of industrial frequen	cy) *	
by aerial laying	Α	155
• by burial	Α	173
Maximum permissible conductor temperature		
Continious	°C	+70
in emergency operation	°C	+90
• at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	247.5
Rated outer diameter of the cable (for reference) **	mm	33
Cable weight (approximate)	kg/km	2580
Rated factory cable length and gross weight of the delivery	m, t	# 14: 540 • 1.6
on the drums ***		# 16a: 870 • 2.5
		# 18: 1000 • 3.0

#### Notes:

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

<sup>\*</sup> 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

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



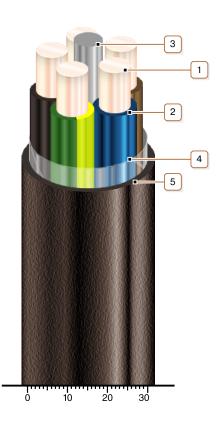




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### **CONSTRUCTION**

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound outer sheath

Note: Conductor twisting is not illustrated