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## ВВГ-К 3x240/120-1 ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, with PVC compound insulation, with concentric conductor, with PVC compound outer sheath

Cables are used for laying:

- · single laying
- 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: 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	3 x 240
Nominal cross-section area of concentric conductor	mm²	120
Phase insulation thikness	mm	2.2
Permissible continious current rating (AC of industrial frequency) *		
by aerial laying	Α	472
• by burial	Α	471
Maximum permissible conductor temperature		
Continious	°C	+70
• at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	427.5
Rated outer diameter of the cable (for reference) **	mm	57
Cable weight (approximate)	kg/km	9530
Rated factory cable length and gross weight of the delivery	m, t	# 18: 340 • 3.7
on the drums ***		# 20: 550 • 5.9

#### 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 %



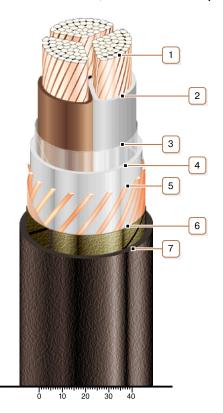




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# BBF-K 3x240/120-1 ТУ У 31.3-00214534-048:2007

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### CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Concentric copper conductor
- 6. Lapping layer of nonwoven cloth tape
- 7. PVC compound outer sheath

Note: Conductor twisting is not illustrated