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## **ВВГ-К 4**x120/70-1 **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: ПБ10000000 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	4 x 120
Nominal cross-section area of concentric conductor	mm²	70
Phase insulation thikness	mm	1.6
Permissible continious current rating (AC of industrial frequency)	*	
• by aerial laying	А	280
• by burial	А	294
Maximum permissible conductor temperature		
Continious	°C	+70
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	360
Rated outer diameter of the cable (for reference) **	mm	48
Cable weight (approximate)	kg/km	6360
Rated factory cable length and gross weight of the delivery	m, t	# 18: 500 • 3.6
on the drums ***		# 20: 800 • 5.7
Notes:		

Notes:

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

\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors 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  $\pm$  10 %



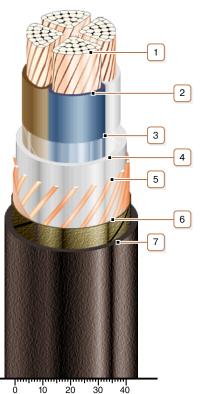


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## CONSTRUCTION

- 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

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