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## ВВГнг 3x120-6 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- · in bunches
- · in premises, dry ducts and tunnels, in corrosive environment

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	6
Number and rated area of conductors	mm²	3 x 120
Phase insulation thikness	mm	3.4
Permissible continious current rating (AC of industrial frequency	/) *	
• by aerial laying	Α	302
• by burial	Α	317
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	375
Rated outer diameter of the cable (for reference) **	mm	50
Cable weight (approximate)	kg/km	5300
Rated factory cable length and gross weight of the delivery	m, t	# 18: 460 • 2.9
on the drums ***		# 20: 740 • 4.6

#### 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  $\cdot$  m/W, laying depth in the soil 0.7 m

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



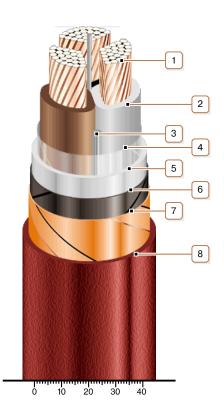




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### **CONSTRUCTION**

- 1. Copper multiwire compact conductor
- 2. PVC compound insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound belt insulation
- 6. Lapping layer of semiconductive paper
- 7. Copper screen
- 8. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated