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ВВГнг-К 3x185/95-1 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 185
Nominal cross-section area of concentric conductor	mm²	95
Phase insulation thikness	mm	2
Permissible continious current rating (AC of industrial frequency)) *	
• by aerial laying	А	397
• by burial	А	405
Maximum permissible conductor temperature		
Continious	°C	+70
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	390
Rated outer diameter of the cable (for reference) **	mm	52
Cable weight (approximate)	kg/km	7620
Rated factory cable length and gross weight of the delivery	m, t	# 18: 430 • 3.7
on the drums ***		# 20: 680 • 5.8
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 $\% \cdot$ m/W, laying depth in the soil 0.7 m

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



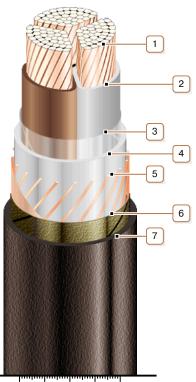


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CONSTRUCTION

- 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. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 10 20 30 40