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ВВГ-К 3x150/50-1 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 150
Nominal cross-section area of concentric conductor	mm²	50
Phase insulation thikness	mm	1.8
Permissible continious current rating (AC of industrial frequency) *	
• by aerial laying	Α	346
• by burial	Α	358
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	5790
Rated factory cable length and gross weight of the delivery	m, t	# 18: 500 • 3.4
on the drums ***		# 20: 800 • 5.3

Notes

When ordering it is necessary 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 °K • m/W, laying depth in the soil 0.7 m

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



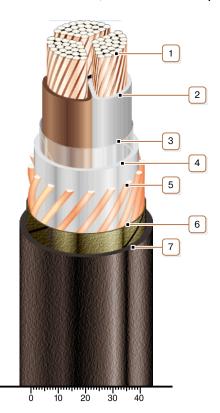




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CONSTRUCTION

- 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