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ПвВГ 5х4-1 ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, with PVC-compound outer sheath

Cables are used for laying:

single laying

• in premises, dry ducts and tunnels, in corrosive environment

Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000 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	5×4
Phase insulation thikness	mm	0.7
Permissible continious current rating (AC of industrial frequence		
• by aerial laying	A	41
• by burial	A	48
Maximum permissible conductor temperature		
Continious	°C	+90
in emergency operation	°C	+130
at short circuit	°C	+250
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	105
Rated outer diameter of the cable (for reference) **	mm	14
Cable weight (approximate)	kg/km	290
Rated factory cable length and gross weight of the delivery	m, t	# 10: 1210 • 0.4
on the drums ***		# 12: 1670 • 0.6
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 °K • m/W, laying depth in the soil 0.7 m

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



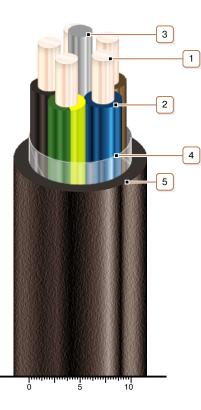


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CONSTRUCTION

- 1. Copper conductor
- 2. XLPE insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound outer sheath

Note: Conductor twisting is not illustrated