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АПвВГ 1x50-1 ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

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

Cables are used for laying:

- single laying
- in premises, dry ducts and tunnels, in corrosive environment

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

- Products of this mark meet the requirements:
- single wire cable flame retardance

TECHNICAL SPECIFICATIONS

		1
Rated voltage	kV	1
Number and rated area of conductors	mm²	1 x 50
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency)	*	
• by aerial laying	А	171
• by burial	А	161
Permissible continious current rating (DC) *		
• by aerial laying	А	217
• by burial	А	251
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	150
Rated outer diameter of the cable (for reference) **	mm	15
Cable weight (approximate)	kg/km	240
Rated factory cable length and gross weight of the delivery	m, t	# 12: 1450 · 0.5
on the drums ***	-	

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 %



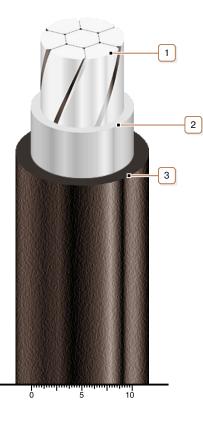


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CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. XLPE insulation
- 3. PVC compound outer sheath