



ПВГГГ 4x120-1 TY Y 31.3-00214534-018-2003

Power cables with copper conductors, XLPE-insulated, 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	1
Number and rated area of conductors	mm ²	4 x 120
Phase insulation thickness	mm	1.2
Permissible continious current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	354
• <i>by burial</i>	A	322
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+90
• <i>in emergency operation</i>	°C	+130
• <i>at short circuit</i>	°C	+250
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	322.5
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	5260
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 3.0 # 18: 600 • 3.6 # 20: 960 • 5.7

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

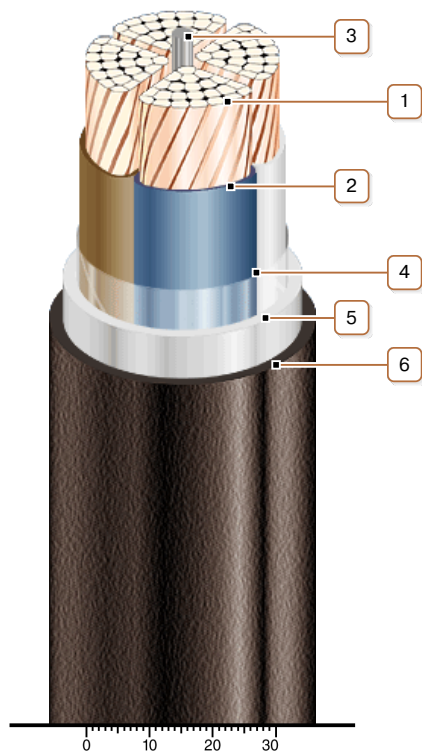
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



ПВГГГ 4x120-1 ТУ У 31.3-00214534-018-2003

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



CONSTRUCTION

1. Copper multiwire compact conductor
2. XLPE insulation
3. PVC compound bundle
4. PET film winding
5. PVC compound belt insulation
6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated