



АПвБВнг 1х25 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- in bunches
- in premises, dry ducts and tunnels, in corrosive environment
- in places, where small mechanical impacts on cable are possible, including tensile forces

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	1 x 25
Phase insulation thickness	mm	0.9
Permissible continuous current rating (AC of industrial frequency) *		
• by aerial laying	A	112
• by burial	A	114
Permissible continuous current rating (DC) *		
• by aerial laying	A	144
• by burial	A	176
Maximum permissible conductor temperature		
• Continuous	°C	+90
• in emergency operation	°C	+130
• at short circuit	°C	+250
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	170
Rated outer diameter of the cable (for reference) **	mm	17
Cable weight (approximate)	kg/km	380
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 12: 1130 • 0.5

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 ± 10 %



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CONSTRUCTION

1. Aluminium conductor
2. XLPE insulation
3. PVC compound belt insulation
4. Double galvanized steel-tape armour
5. Low flammable PVC compound outer sheath