



АПвБбШп 4x120 (ож)-1 TY Y 31.3-00214534-048:2007

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with polyethylene protection hose

Cables are used for laying:

- *in premises, tunnels, collectors, in soil (trenches), in corrosive environment*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

Manufacturing of cable with multiwire conductors is possible

TECHNICAL SPECIFICATIONS

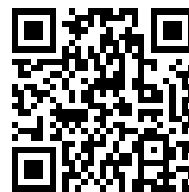
Rated voltage	kV	1
Number and rated area of conductors	mm ²	4 x 120
Phase insulation thickness	mm	1.2
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	269
• <i>by burial</i>	A	248
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+90
• <i>in emergency operation</i>	°C	+130
• <i>at short circuit</i>	°C	+250
Operating temperature range	°C	-60 ... +50
Minimum bending radius by laying	mm	330
Rated outer diameter of the cable (for reference) **	mm	44
Cable weight (approximate)	kg/km	2790
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 1.7
		# 18: 600 • 2.1
		# 20: 960 • 3.3

Notes:

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

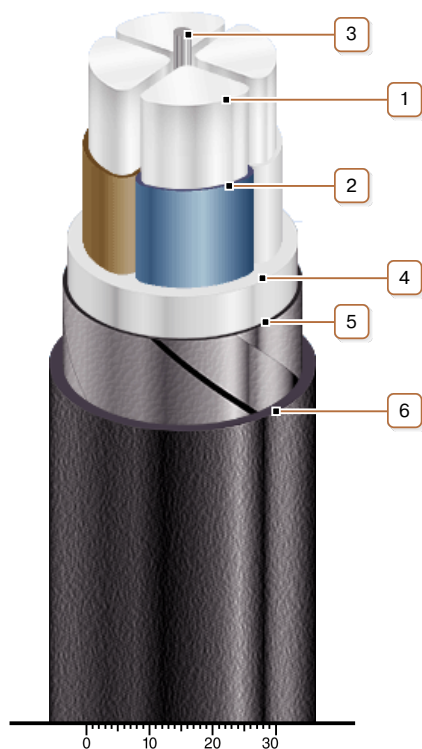
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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CONSTRUCTION

1. Aluminium conductor
2. XLPE insulation
3. PVC compound bundle
4. PVC compound belt insulation
5. Double galvanized steel-tape armour
6. Pressed off polyethylene protection hose

Note: Conductor twisting is not illustrated