





7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

АПвВГнг 4x120 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium 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

Manufacturing of cable with multiwire conductors is possible

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ120000000

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	mm²	4 x 120
Phase insulation thikness	mm	1.2
Permissible continious current rating (AC of industrial frequence	cy) *	
by aerial laying	Α	269
• by burial	Α	248
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	315
Rated outer diameter of the cable (for reference) **	mm	42
Cable weight (approximate)	kg/km	2250
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 570 • 1.5
on the drums ***		# 18: 660 • 1.9
		# 20: 1050 • 3.0

Notes:

When ordering it is neccesary 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 \pm 10 %



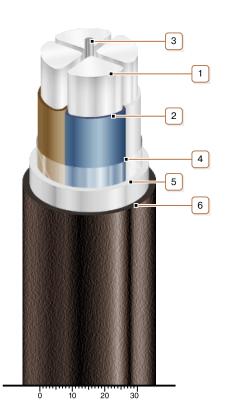




7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

АПвВГнг 4х120 (ож)-1 ТУ У 31.3-00214534-018-2003

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



CONSTRUCTION

- 1. Aluminium 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