







## АПвВГ 5х4 (ож)-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

Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000 Products of this mark meet the requirements:

· single wire cable flame retardance

#### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	5 x 4
Phase insulation thikness	mm	0.7
Permissible continious current rating (AC of industrial frequency	) *	
by aerial laying	Α	31
• by burial	Α	39
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	105
Rated outer diameter of the cable (for reference) **	mm	14
Cable weight (approximate)	kg/km	170
Rated factory cable length and gross weight of the delivery	m, t	# 10: 1210 • 0.3
on the drums ***		# 12: 1670 • 0.4

#### Notes:

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



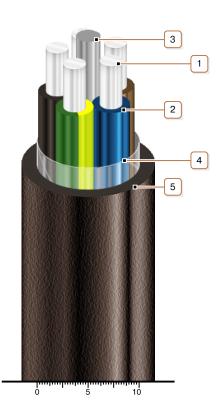




7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

# АПвВГ 5х4 (ож)-1 ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

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



### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. XLPE insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound outer sheath

Note: Conductor twisting is not illustrated