





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

### АПвБбШп 4х50 (ож)-1 ТУ У 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	mm²	4 × 50
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequence	y) *	
• by aerial laying	Α	146
• by burial	Α	146
Maximum permissible conductor temperature		
Continious	°C	+90
in emergency operation	°C	+130
at short circuit	°C	+250
Operating temperature range	°C	-60 +50
Minimum bending radius by laying	mm	270
Rated outer diameter of the cable (for reference) **	mm	36
Cable weight (approximate)	kg/km	1420
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 780 • 1.4
on the drums		# 18: 890 • 1.7

#### 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 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

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



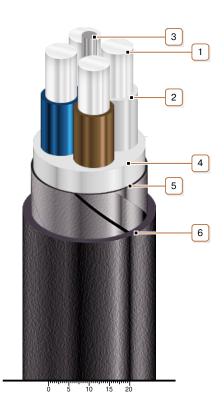




7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

## АПвБбШп 4х50 (ож)-1 ТУ У 31.3-00214534-048:2007

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



# **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