



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

# АПвЗКП 3x150-1 ТУ У 31.3-00214534-016-2003



Power cables with aluminium conductors, XLPE-insulated, with filling of intermediate spaces between the conductors, round-steel-wire armoured, with polyethylene outer sheath

Cables are used for laying:

- in premises, tunnels, collectors, in soil (trenches), in corrosive environment
- in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)
- in water at depth up to 10 m

Manufacturing of cables with a different number and different design of conductors is possible Manufacturing of single-phase cables with aluminium-wire armour is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

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	3 x 150
Phase insulation thikness	mm	1.4
Armor wire diameter	mm	2.8
Permissible continious current rating (AC of industrial frequency	() *	
• by aerial laying	А	330
• by burial	А	299
Maximum permissible conductor temperature		
Continious	°C	+90
at short circuit	°C	+250
Operating temperature range	°C	-60 +50
Minimum bending radius by laying	mm	384
Rated outer diameter of the cable (for reference) **	mm	48
Cable weight (approximate)	kg/km	7240
Rated factory cable length and gross weight of the delivery	m, t	# 18: 500 • 4.1
on the drums		# 20: 800 • 6.4
Notes:		

When ordering it is neccesary 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  $^{\rm K}{\scriptstyle \bullet}$  m/W, laying depth in the soil 0.7 m

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

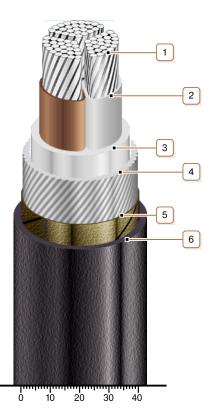




7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

## АПвЗКП 3x150-1 ТУ У 31.3-00214534-016-2003

Power cables with aluminium conductors, XLPE-insulated, with filling of intermediate spaces between the conductors, round-steel-wire armoured, with polyethylene outer sheath



## CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. XLPE insulation
- 3. PVC compound belt insulation

4. Round galvanized steel-wire armour Note: Manufacturing of single-phase cables with aluminium-wire armour is possible

- 5. Lapping layer of nonwoven cloth tape
- 6. Polyethylene outer sheath

Note: Conductor twisting is not illustrated