



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

СБл 4x120-1 ТУ У 27.3-00214534-091:2017



Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured

Cables are used for laying:

- · in soil (trenches) with high corrosiveness without vagabond currents
- in soil (trenches) with medium corrosiveness, as well as with vagabond currents
- in mines, non-hazardous as for gas and dust
- with a risk of mechanical damage and no tensile forces in operation

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 120
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.46
Permissible continious current rating *		
• by aerial laying	А	324
• by burial	А	302
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	705
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	36
Rated outer diameter of the cable (for reference) **	mm	47
Cable weight (approximate)	kg/km	7730
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 440 • 3.7
on the drums ***		# 18: 500 • 4.3
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 \cdot m/W, laying depth in the soil 0.7 m ** The external diameter may differ from the rated up to ± 10 %

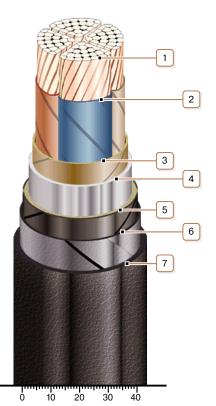




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CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Lead sheath
- 5. Single-layer plastic-tape bedding
- 6. Double steel-tape armour
- 7. Outer covering

Note: Conductor twisting is not illustrated