YUZHCABLE
PRODUCTION GUIDE

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153501-011003000150

АСП2л 3х150(ож)-1
ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured

Cables are used for laying:
- *in soil (trenches) with high corrosiveness, as well as with vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*
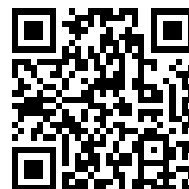
TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	3 x 150
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.36
Permissible continious current rating *		
• *by aerial laying*	A	300
• *by burial*	A	281
Operating temperature range	℃	-50 … +50
Minimum bending radius by laying	mm	720
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	31
Rated outer diameter of the cable (for reference) **	mm	48
Cable weight (approximate)	kg/km	5450
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 440 · 2.7 # 18: 500 · 3.2

Notes:

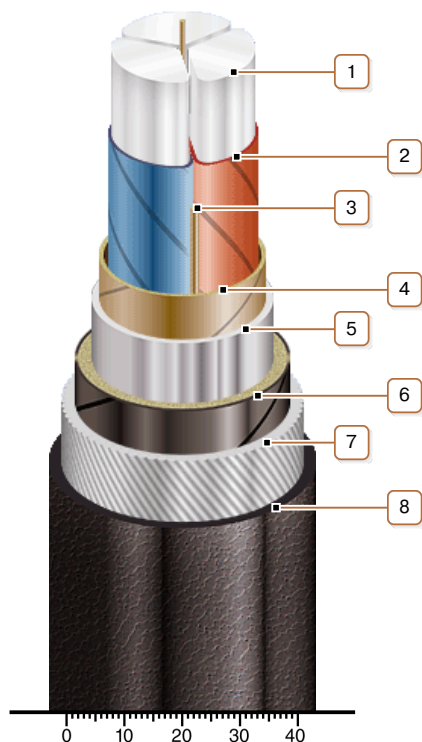*When ordering it is neccesary to agree the factory length of the product with the manufacturer*

* Long permissible current loads are calculated for the following conditions: air temperature plus 25 ℃, soil temperature plus 15 ℃,

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 ± 10 %

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CONSTRUCTION

1. *Aluminium conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Lead sheath*
6. *Double-layer plastic-tape bedding*
7. *Round galvanized steel-wire armour*
8. *Outer covering*

Note: Conductor twisting is not illustrated