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# ACБ 3x95+1x50(ож)-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- in soil (trenches) with low 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	3 x 95 + 1 x 50
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.32
Permissible continious current rating *		
by aerial laying	Α	218
• by burial	Α	219
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	615
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	29
Rated outer diameter of the cable (for reference) **	mm	41
Cable weight (approximate)	kg/km	3540
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 570 · 2.3
on the drums ***		# 18: 660 • 2.8

#### 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 %



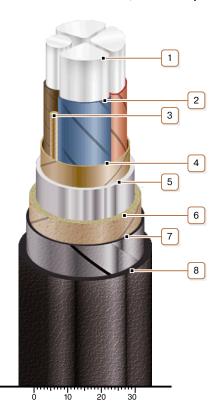




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## АСБ 3x95+1x50(ож)-1 ТУ У 27.3-00214534-091:2017

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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Lead sheath
- 6. Bedding
- 7. Double steel-tape armour
- 8. Outer covering

Note: Conductor twisting is not illustrated