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## ААБл 1х185-1 ГОСТ 18410-73, ТУ 16.К71-269-97

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

Cables are used for laying:

• in soil (trenches) with medium corrosiveness without vagabond currents

• 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	1 x 185
Insulation thikness of conductor-sheath	mm	1.6
Sheath thikness	mm	1.2
Permissible continious direct current rating *		
• by aerial laying	A	508
• by burial	A	426
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	825
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	22
Rated outer diameter of the cable (for reference) **	mm	33
Cable weight (approximate)	kg/km	1820
Rated factory cable length and gross weight of the delivery	m, t	# 16: 330 • 0.9
on the drums ***		

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  $^{\rm K}{\scriptstyle \cdot}$  m/W, laying depth in the soil 0.7 m

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





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## CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Aluminium sheath
- 4. Single-layer plastic-tape bedding
- 5. Double steel-tape armour
- 6. Outer covering

0 5 10 15 20