

АСБл 1х500-3 TY 16.K71-269-97

Power cables with aluminium 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

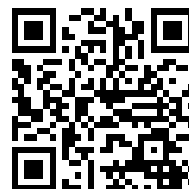
| | | |
|--|-----------------|-----------------|
| Rated voltage | kV | 3 |
| Number and rated area of conductors | mm ² | 1 x 500 |
| Insulation thickness of conductor-sheath | mm | 2.4 |
| Sheath thickness | mm | 1.42 |
| Permissible continious direct current rating * | | |
| • <i>by aerial laying</i> | A | 966 |
| • <i>by burial</i> | A | 752 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 1125 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal shaeth outer diameter (for reference only) | mm | 35 |
| Rated outer diameter of the cable (for reference) ** | mm | 45 |
| Cable weight (approximate) | kg/km | 4860 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 18: 550 • 3.1 |

Notes:

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

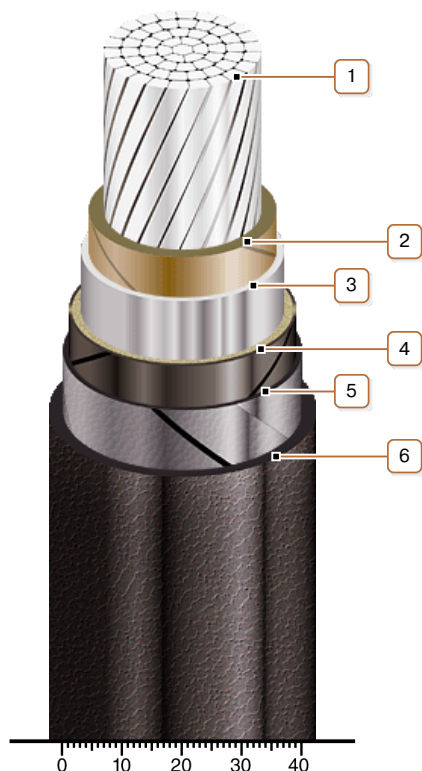
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

*** The external diameter may differ from the rated up to ± 10 %*



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CONSTRUCTION

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