



ААБл 1х240-3 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

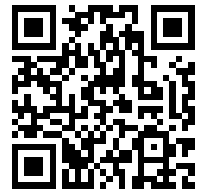
| | | |
|--|-----------------|------------------|
| Rated voltage | kV | 3 |
| Number and rated area of conductors | mm ² | 1 x 240 |
| Insulation thickness of conductor-sheath | mm | 2 |
| Sheath thickness | mm | 1.3 |
| Permissible continuous direct current rating * | | |
| • <i>by aerial laying</i> | A | 604 |
| • <i>by burial</i> | A | 496 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 900 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal sheath outer diameter (for reference only) | mm | 25 |
| Rated outer diameter of the cable (for reference) ** | mm | 36 |
| Cable weight (approximate) | kg/km | 1900 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 780 • 1.7 |

Notes:

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

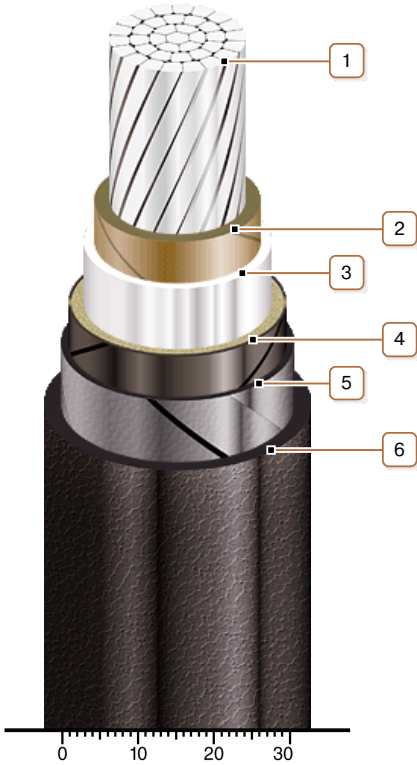
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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CONSTRUCTION

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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
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