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ААБл 4х35(ож)-1 ТУ У 27.3-00214534-091:2017



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 | 4 x 35 |
| Insulation thikness between conductors | mm | 1.5 |
| Insulation thikness of conductor-sheath | mm | 1.25 |
| Sheath thikness | mm | 1.2 |
| Permissible continious current rating * | | |
| • by aerial laying | А | 110 |
| • by burial | А | 117 |
| 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 | 21 |
| Rated outer diameter of the cable (for reference) ** | mm | 33 |
| Cable weight (approximate) | kg/km | 1610 |
| Rated factory cable length and gross weight of the delivery | m, t | # 16: 330 • 0.8 |
| 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 during operation in four-wire networks with load in all the conductors 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 %



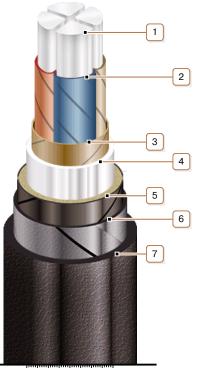


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CONSTRUCTION

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

Note: Conductor twisting is not illustrated

0 5 10 15 20