

АПвБбШп 4x10 (ож)-1 ТУ У 31.3-00214534-048:2007

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with polyethylene protection hose

Cables are used for laying:

- in premises, tunnels, collectors, in soil (trenches), in corrosive environment
- in places, where small mechanical impacts on cable are possible, including tensile forces

TECHNICAL SPECIFICATIONS

| | | |
|--|-----------------|------------------|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | mm ² | 4 x 10 |
| Phase insulation thickness | mm | 0.7 |
| Permissible continuous current rating (AC of industrial frequency) * | | |
| • by aerial laying | A | 53 |
| • by burial | A | 62 |
| Maximum permissible conductor temperature | | |
| • Continuous | °C | +90 |
| • in emergency operation | °C | +130 |
| • at short circuit | °C | +250 |
| Operating temperature range | °C | -60 ... +50 |
| Minimum bending radius by laying | mm | 157.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 21 |
| Cable weight (approximate) | kg/km | 580 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 14: 1300 • 0.9 |

Notes:

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

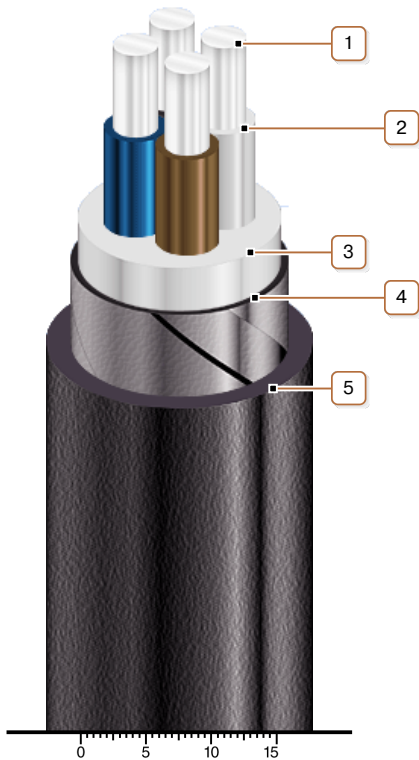
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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CONSTRUCTION

1. Aluminium conductor
2. XLPE insulation
3. PVC compound belt insulation
4. Double galvanized steel-tape armour
5. Pressed off polyethylene protection hose

Note: Conductor twisting is not illustrated