



АПвБ6Шп 3x185+1x95 (ож)-1 TY Y 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

Manufacturing of cable with multiwire conductors (main and additional one) is possible

TECHNICAL SPECIFICATIONS

| | | |
|--|-----------------|------------------------------------|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | mm ² | 3 x 185 + 1 x 95 |
| Phase insulation thickness | mm | 1.6 |
| Permissible continuous current rating (AC of industrial frequency) * | | |
| • by aerial laying | A | 382 |
| • by burial | A | 341 |
| 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 | 382.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 51 |
| Cable weight (approximate) | kg/km | 3610 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 18: 430 • 2.0 # 20: 680 • 3.1 |

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 %



АПвБ6Шп 3x185+1x95 (ож)-1 ТУ У 31.3-00214534-048:2007

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

CONSTRUCTION

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

Note: Conductor twisting is not illustrated

