

АПВБВнг 5х4 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- in bunches
- in premises, dry ducts and tunnels, in corrosive environment
- in places, where small mechanical impacts on cable are possible, including tensile forces

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- single wire cable flame retardance
- bunched cable flame retardance category A

TECHNICAL SPECIFICATIONS

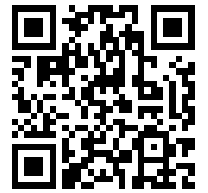
| | | |
|--|-----------------|-------------------------------------|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | mm ² | 5 x 4 |
| Phase insulation thickness | mm | 0.7 |
| Permissible continuous current rating (AC of industrial frequency) * | | |
| • by aerial laying | A | 31 |
| • by burial | A | 39 |
| Maximum permissible conductor temperature | | |
| • Continuous | °C | +90 |
| • in emergency operation | °C | +130 |
| • at short circuit | °C | +250 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 150 |
| Rated outer diameter of the cable (for reference) ** | mm | 20 |
| Cable weight (approximate) | kg/km | 460 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 12: 820 · 0.5 # 14: 1570 · 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 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 bundle
4. PET film winding
5. PVC compound belt insulation
6. Double galvanized steel-tape armour
7. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

