



7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

АПвБВнг 3x120+1x70 (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

Manufacturing of cable with multiwire conductors (main and additional one) is possible Manufacturing of cable with PVC compound belt insulation is possible

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 | mm² | 3 x 120 + 1 x 70 |
| Phase insulation thikness | mm | 1.2 |
| Permissible continious current rating (AC of industrial frequency) * | | |
| • by aerial laying | А | 290 |
| • by burial | А | 267 |
| Maximum permissible conductor temperature | | |
| Continious | °C | +90 |
| in emergency operation | °C | +130 |
| at short circuit | °C | +250 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 315 |
| Rated outer diameter of the cable (for reference) ** | mm | 42 |
| Cable weight (approximate) | kg/km | 2200 |
| Rated factory cable length and gross weight of the delivery | m, t | # 16a: 570 • 1.5 |
| on the drums *** | | # 18: 660 • 1.9 |
| | | # 20: 1050 • 2.9 |
| N 1-1 | | |

Notes:

When ordering it is neccesary 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 \cdot m/W, laying depth in the soil 0.7 m

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

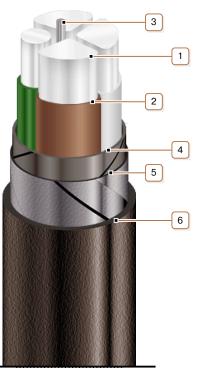




7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

АПвБВнг 3x120+1x70 (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



CONSTRUCTION

- 1. Aluminium conductor
- 2. XLPE insulation
- 3. PVC compound bundle
- 4. Tape core wrapping
- 5. Double galvanized steel-tape armour
- 6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 10 20 30