7, Autogennaya Str., Kharkov, 6109
АПвВГ 4×150 (ож)-1
ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007
Power cables with aluminium conductors, XLPE-insulated, with PVC-compound outer sheath
Cables are used for laying:

- single laying
- in premises, dry ducts and tunnels, in corrosive environment

Manufacturing of cable with multiwire conductors is possible
Manufacturing of cable with PVC compound belt insulation is possible
Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:

- single wire cable flame retardance


## TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 1 |
| :--- | :---: | :--- |
| Number and rated area of conductors | $\mathrm{mm}^{2}$ | $4 \times 150$ |
| Phase insulation thikness | mm | 1.4 |
| Permissible continious current rating (AC of industrial frequency) ${ }^{*}$ |  |  |
| • by aerial laying | A | 306 |
| $\cdot$ by burial | A | 278 |
| Maximum permissible conductor temperature |  |  |
| $\cdot$ Continious | ${ }^{\circ} \mathrm{C}$ | +90 |
| $\cdot$ in emergency operation | ${ }^{\circ} \mathrm{C}$ | +130 |
| • at short circuit | ${ }^{\circ} \mathrm{C}$ | +250 |
| Operating temperature range | ${ }^{\circ} \mathrm{C}$ | $-50 \ldots+50$ |
| Minimum bending radius by laying | mm | 315 |
| Rated outer diameter of the cable (for reference) ${ }^{* *}$ | mm | 42 |
| Cable weight (approximate) | $\mathrm{kg} / \mathrm{km}$ | 2250 |
| Rated factory cable length and gross weight of the delivery | $\mathrm{m}, \mathrm{t}$ | $\# 16 \mathrm{a}: 570 \cdot 1.5$ |
| on the drums |  | $\# 18: 660 \cdot 1.9$ |
|  |  | $\# 20: 1050 \cdot 3.0$ |

## 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 $25^{\circ} \mathrm{C}$, soil temperature plus $15^{\circ} \mathrm{C}$, thermal resistivity of soil $1.2{ }^{\circ} \mathrm{K} \cdot \mathrm{m} / \mathrm{W}$, laying depth in the soil 0.7 m
** The external diameter may differ from the rated up to $\pm 10 \%$

PRODUCTION GUIDE

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## CONSTRUCTION

1. Aluminium conductor
2. XLPE insulation
3. PVC compound bundle
4. PET film winding
5. PVC compound outer sheath

Note: conductor twisting is not illustrated

