



## **АВВГ 1х35-1** **ТН У 31.3-00214534-048:2007**

Power cables with aluminium conductors, with PVC-compound insulation, with PVC-compound outer sheath

Cables are used for laying:

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

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                                          | mm <sup>2</sup> | 1 x 35                               |
| Phase insulation thickness                                                   | mm              | 1.2                                  |
| Permissible continious current rating (AC of industrial frequency) *         |                 |                                      |
| • <i>by aerial laying</i>                                                    | A               | 113                                  |
| • <i>by burial</i>                                                           | A               | 127                                  |
| Permissible continious current rating (DC) *                                 |                 |                                      |
| • <i>by aerial laying</i>                                                    | A               | 143                                  |
| • <i>by burial</i>                                                           | A               | 192                                  |
| Maximum permissible conductor temperature                                    |                 |                                      |
| • <i>Continuous</i>                                                          | °C              | +70                                  |
| • <i>in emergency operation</i>                                              | °C              | +90                                  |
| • <i>at short circuit</i>                                                    | °C              | +160                                 |
| Operating temperature range                                                  | °C              | -50 ... +50                          |
| Minimum bending radius by laying                                             | mm              | 140                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 14                                   |
| Cable weight (approximate)                                                   | kg/km           | 220                                  |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 10: 1210 • 0.3<br># 12: 1670 • 0.5 |

Notes:

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

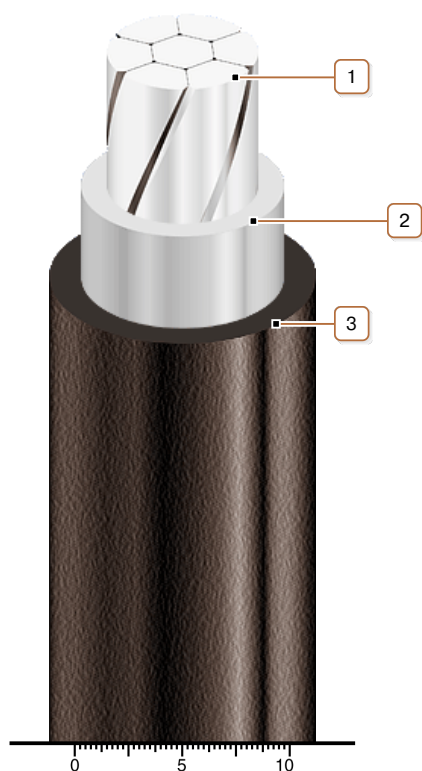
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## **ABBГ 1x35-1** **TY Y 31.3-00214534-048:2007**

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### **CONSTRUCTION**

1. *Aluminium multiwire compacted conductor*
2. *PVC compound insulation*
3. *PVC compound outer sheath*