



ЦАСБлШв 3х50(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, lead-sheathed, steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

- *without level difference limitation*
- *in soil (trenches) with high corrosiveness without vagabond currents*
- *in soil (trenches) with medium corrosiveness, as well as with vagabond currents*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *in mines, non-hazardous as for gas and dust*
- *with a risk of mechanical damage and no tensile forces in operation*

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 | 10 |
| Number and rated area of conductors | mm ² | 3 x 50 |
| Insulation thickness between conductors | mm | 5.5 |
| Insulation thickness of conductor-sheath | mm | 4 |
| Sheath thickness | mm | 1.32 |
| Permissible continious current rating * | | |
| • <i>by aerial laying</i> | A | 132 |
| • <i>by burial</i> | A | 134 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 645 |
| Metal shaeth outer diameter (for reference only) | mm | 30 |
| Rated outer diameter of the cable (for reference) ** | mm | 43 |
| Cable weight (approximate) | kg/km | 3660 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 520 • 2.2 # 18: 600 • 2.7 |

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·m/W, laying depth in the soil 0.7 m

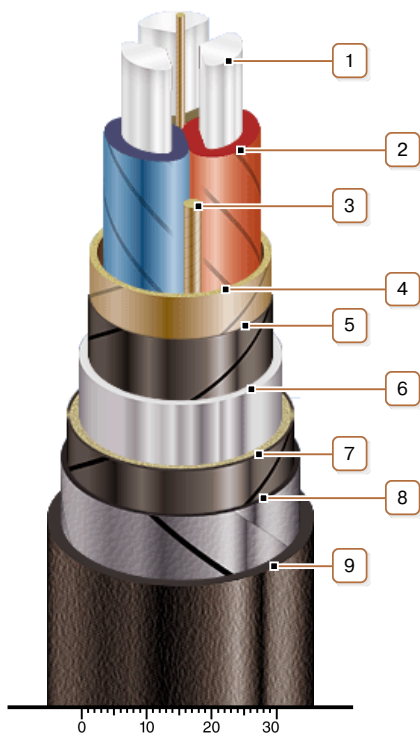
** The external diameter may differ from the rated up to ± 10 %



ЦАСБлШв 3х50(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, lead-sheathed, steel-tape armoured, with PVC-compound protection hose

CONSTRUCTION



1. Aluminium conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Lead sheath
7. Single-layer plastic-tape bedding
8. Double steel-tape armour
9. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated