



ЦАСБВШнг 3x120-10 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *without level difference limitation*
- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *in fire-risk premises*
- *on special cable bridges*
- *with a risk of mechanical damage and no tensile forces in operation*
- *in bunches*

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

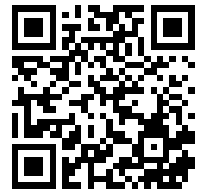
| | | |
|--|-----------------|--|
| Rated voltage | kV | 10 |
| Number and rated area of conductors | mm ² | 3 x 120 |
| Insulation thickness between conductors | mm | 5.5 |
| Insulation thickness of conductor-sheath | mm | 4 |
| Sheath thickness | mm | 1.56 |
| Permissible continuous current rating * | | |
| • <i>by aerial laying</i> | A | 234 |
| • <i>by burial</i> | A | 218 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 810 |
| Metal sheath outer diameter (for reference only) | mm | 41 |
| Rated outer diameter of the cable (for reference) ** | mm | 54 |
| Cable weight (approximate) | kg/km | 6070 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 16a: 350 • 2.4 # 18: 400 • 2.9 # 20: 630 • 4.5 |

Notes:

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

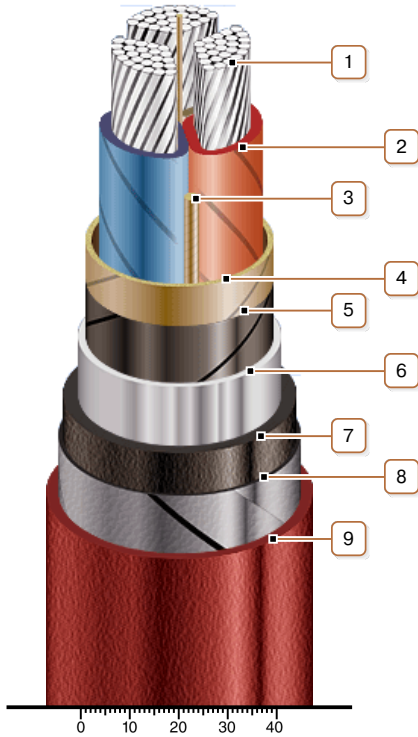
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



ЦАСБВШнг 3x120-10 ТУ У 27.3-00214534-091:2017

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



CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Lead sheath
7. Bedding with PVC compound moulded-in hose
8. Double galvanized steel-tape armour
9. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated