



## ЦАСБнлШнг 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 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

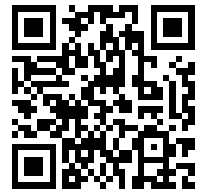
|  |                 |  |
|--|-----------------|--|
| Rated voltage  | kV              | 10   |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 120  |
| Insulation thickness between conductors                                      | mm              | 5.5  |
| Insulation thickness of conductor-sheath                                     | 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           | 5810   |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 350 • 2.3<br># 20: 630 • 4.3<br># 22: 720 • 5.0 |

Notes:

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

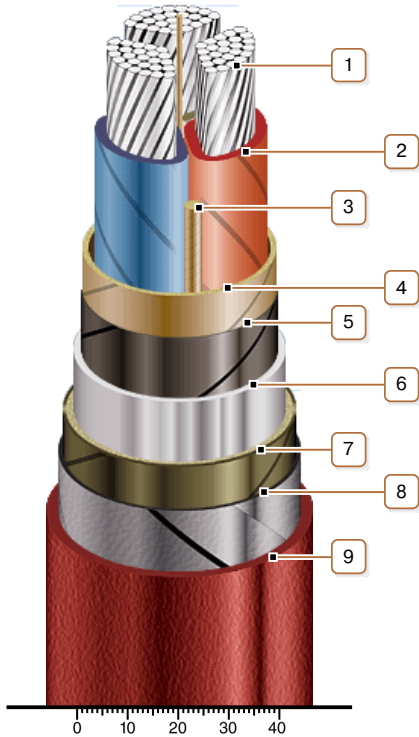
\* *Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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### 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. Plastic-tape and glass-tape bedding
8. Double galvanized steel-tape armour
9. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated