



## СП2лШнг 3x120-6 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *in soil (trenches) with high corrosiveness, as well as with vagabond currents*
- *in soil (trenches) with high corrosiveness without vagabond currents*
- *in mines, non-hazardous as for gas and dust*
- *with a risk of mechanical damage and 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              | 6                                   |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 120                             |
| Insulation thickness between conductors                                      | mm              | 4                                   |
| Insulation thickness of conductor-sheath                                     | mm              | 2.95                                |
| Sheath thickness                                                             | mm              | 1.46                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • <i>by aerial laying</i>                                                    | A               | 342                                 |
| • <i>by burial</i>                                                           | A               | 318                                 |
| Operating temperature range                                                  | °C              | -50 ... +50                         |
| Minimum bending radius by laying                                             | mm              | 810                                 |
| Level difference along the laying rout, not more than                        | m               | 15                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 37                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 54                                  |
| Cable weight (approximate)                                                   | kg/km           | 8680                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 350 • 3.3<br># 18: 400 • 3.9 |

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 %*



## СП2лШнг 3х120-6 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured, with low-flammable PVC-compound protection hose

### CONSTRUCTION

1. Copper multiwire compact conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Lead sheath
7. Double-layer plastic-tape bedding
8. Round galvanized steel-wire armour
9. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*

