



## СП2лШнг 3x120+1x70-1 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

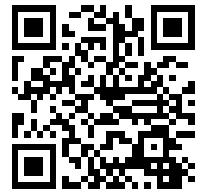
|  |                 |                                     |
|--|-----------------|-------------------------------------|
| Rated voltage  | kV              | 1                                   |
| Number and rated area of conductors                                      | mm <sup>2</sup> | 3 x 120 + 1 x 70                    |
| Insulation thickness between conductors                                  | mm              | 1.7                                 |
| Insulation thickness of conductor-sheath                                 | mm              | 1.45                                |
| Sheath thickness   | mm              | 1.36                                |
| Permissible continuous current rating *                                  |                 |                                     |
| • by aerial laying   | A               | 348                                 |
| • by burial  | A               | 325                                 |
| Operating temperature range  | °C              | -50 ... +50                         |
| Minimum bending radius by laying   | mm              | 780                                 |
| Level difference along the laying rout, not more than                    | m               | 20                                  |
| Metal sheath outer diameter (for reference only)                         | mm              | 36                                  |
| Rated outer diameter of the cable (for reference) **                     | mm              | 52                                  |
| Cable weight (approximate)   | kg/km           | 8900                                |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16a: 370 • 3.6<br># 18: 430 • 4.3 |

Notes:

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

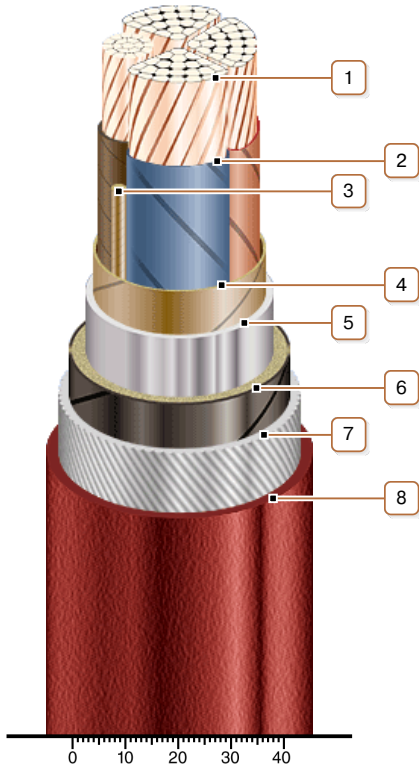
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

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

Note: Conductor twisting is not illustrated