

## **СБ 3x70-10** **TY Y 27.3-00214534-091:2017**

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured

Cables are used for laying:

- *in soil (trenches) with medium corrosiveness without vagabond currents*
- *in soil (trenches) with low corrosiveness, as well as with vagabond currents*
- *in mines, non-hazardous as for gas and dust*
- *with a risk of mechanical damage and no tensile forces in operation*

### **TECHNICAL SPECIFICATIONS**

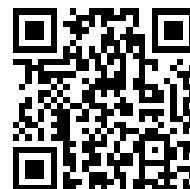
|                                                                              |                 |                                     |
|------------------------------------------------------------------------------|-----------------|-------------------------------------|
| Rated voltage                                                                | kV              | 10                                  |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 70                              |
| Insulation thickness between conductors                                      | mm              | 5.5                                 |
| Insulation thickness of conductor-sheath                                     | mm              | 4                                   |
| Sheath thickness                                                             | mm              | 1.46                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • <i>by aerial laying</i>                                                    | A               | 219                                 |
| • <i>by burial</i>                                                           | A               | 212                                 |
| Operating temperature range                                                  | °C              | -50 ... +50                         |
| Minimum bending radius by laying                                             | mm              | 705                                 |
| Level difference along the laying rout, not more than                        | m               | 15                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 36                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 47                                  |
| Cable weight (approximate)                                                   | kg/km           | 5520                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 440 • 2.7<br># 18: 500 • 3.2 |

Notes:

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

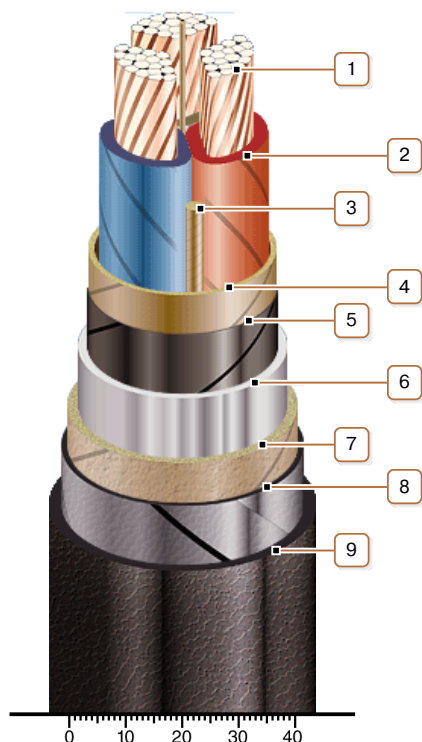
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. Conducting paper screen
6. Lead sheath
7. Bedding
8. Double steel-tape armour
9. Outer covering

*Note: Conductor twisting is not illustrated*