

## ЦАБ 3x120-10 TY Y 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, lead-sheathed, steel-tape armoured

Cables are used for laying:

- *without level difference limitation*
- *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 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              | 780                                                    |
| Metal sheath outer diameter (for reference only)                             | mm              | 41                                                     |
| Rated outer diameter of the cable (for reference) **                         | mm              | 52                                                     |
| Cable weight (approximate)                                                   | kg/km           | 5490                                                   |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 370 • 2.3<br># 18: 430 • 2.8<br># 20: 680 • 4.4 |

Notes:

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

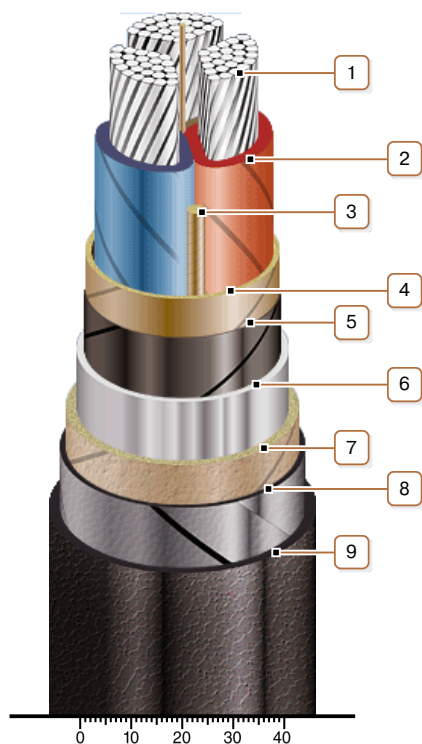
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## ЦАБ 3x120-10 ТУ У 27.3-00214534-091:2017

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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. Bedding
8. Double steel-tape armour
9. Outer covering

*Note: Conductor twisting is not illustrated*