



## ACB 3x185+1x95-1 TY Y 27.3-00214534-091:2017

Power cables with aluminium 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              | 1                                  |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 185 + 1 x 95                   |
| Insulation thickness between conductors                                      | mm              | 1.9                                |
| Insulation thickness of conductor-sheath                                     | mm              | 1.55                               |
| Sheath thickness                                                             | mm              | 1.62                               |
| Permissible continuous current rating *                                      |                 |                                    |
| • by aerial laying                                                           | A               | 342                                |
| • by burial                                                                  | A               | 314                                |
| Operating temperature range                                                  | °C              | -50 ... +50                        |
| Minimum bending radius by laying                                             | mm              | 840                                |
| Level difference along the laying rout, not more than                        | m               | 25                                 |
| Metal sheath outer diameter (for reference only)                             | mm              | 45                                 |
| Rated outer diameter of the cable (for reference) **                         | mm              | 56                                 |
| Cable weight (approximate)                                                   | kg/km           | 6610                               |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 370 • 2.9<br># 20: 590 • 4.5 |

Notes:

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

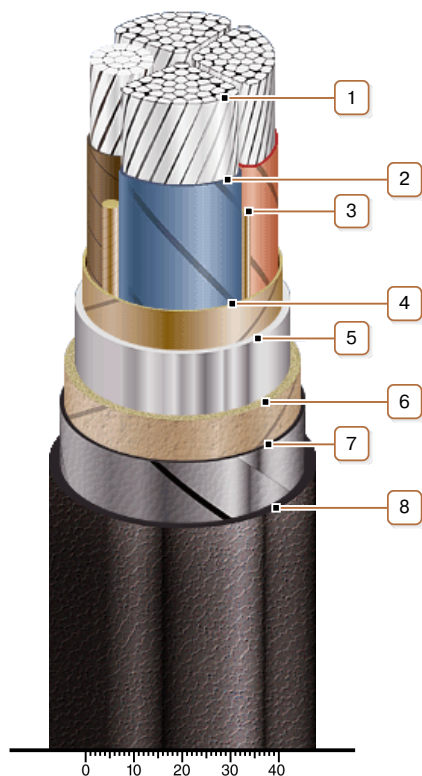
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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

*Note: Conductor twisting is not illustrated*