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## ЦААПл 3х95(ож)-10 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- · without level difference limitation
- in soil (trenches) with medium corrosiveness without vagabond currents
- · with a risk of mechanical damage and tensile forces in operation

## **TECHNICAL SPECIFICATIONS**

| Rated voltage   | kV    | 10              |
|---|-------|-----------------|
| Number and rated area of conductors                         | mm²   | 3 x 95          |
| Insulation thikness between conductors                      | mm    | 5.5             |
| Insulation thikness of conductor-sheath                     | mm    | 4               |
| Sheath thikness   | mm    | 1.5             |
| Permissible continious current rating *                     |       |                 |
| by aerial laying  | Α     | 194             |
| • by burial   | Α     | 192             |
| Operating temperature range                                 | °C    | -50 +50         |
| Minimum bending radius by laying                            | mm    | 1325            |
| Metal shaeth outer diameter (for reference only)            | mm    | 36              |
| Rated outer diameter of the cable (for reference) **        | mm    | 53              |
| Cable weight (approximate)                                  | kg/km | 4650            |
| Rated factory cable length and gross weight of the delivery | m, t  | # 18: 400 • 2.3 |
| on the drums ***  |       | # 20: 630 • 3.6 |
|   |       |                 |

Notes:

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



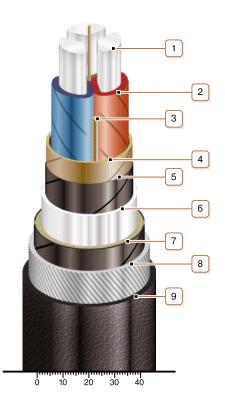




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## **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Single-layer plastic-tape bedding
- 8. Round galvanized steel-wire armour
- 9. Outer covering

Note: Conductor twisting is not illustrated