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## ААП2л 3х185-6 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness, as well as with vagabond currents
- · with a risk of mechanical damage and tensile forces in operation

## **TECHNICAL SPECIFICATIONS**

| Rated voltage   | kV    | 6               |
|---|-------|-----------------|
| Number and rated area of conductors                         | mm²   | 3 x 185         |
| Insulation thikness between conductors                      | mm    | 4               |
| Insulation thikness of conductor-sheath                     | mm    | 2.95            |
| Sheath thikness   | mm    | 1.75            |
| Permissible continious current rating *                     |       |                 |
| by aerial laying  | Α     | 333             |
| • by burial   | Α     | 307             |
| Operating temperature range                                 | °C    | -50 +50         |
| Minimum bending radius by laying                            | mm    | 1550            |
| Level difference along the laying rout, not more than       | m     | 20              |
| Metal shaeth outer diameter (for reference only)            | mm    | 45              |
| Rated outer diameter of the cable (for reference) **        | mm    | 62              |
| Cable weight (approximate)                                  | kg/km | 6330            |
| Rated factory cable length and gross weight of the delivery | m, t  | # 20: 440 • 3.4 |
| on the drums ***  |       | # 22: 500 • 4.0 |
| Notes   |       |                 |

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 %



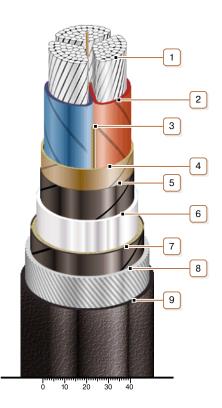




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## **CONSTRUCTION**

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

Note: Conductor twisting is not illustrated