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АСБнлШнгд 3х185-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- · in fire-risk premises
- · on special cable bridges
- with a risk of mechanical damage and no tensile forces in operation
- at sites, where low smoke and gas emission are required in the process of combustion and smouldering: NPP, electrical generating stations, subway, high-rise buildings, large industrial facilities and etc.

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ123121000

Products of this mark meet the requirements:

- · single wire cable flame retardance
- bunched cable flame retardance category A
- toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m3)
- class $\Delta T \kappa 1$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)
- class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)
- corrosive class K κ 1 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH less than 4.3, specific conductivity more than 10 μ S/mm)

TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 1 |
|---|-------|-----------------|
| Number and rated area of conductors | mm² | 3 x 185 |
| Insulation thikness between conductors | mm | 1.9 |
| Insulation thikness of conductor-sheath | mm | 1.55 |
| Sheath thikness | mm | 1.56 |
| Permissible continious current rating * | | |
| by aerial laying | Α | 342 |
| • by burial | Α | 314 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 810 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal shaeth outer diameter (for reference only) | mm | 40 |
| Rated outer diameter of the cable (for reference) ** | mm | 54 |
| Cable weight (approximate) | kg/km | 5560 |
| Rated factory cable length and gross weight of the delivery | m, t | # 18: 400 • 2.7 |
| on the drums *** | | # 20: 630 • 4.1 |
| | | # 22: 720 • 4.8 |

Notes

When ordering it is neccesary 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 \pm 10 %



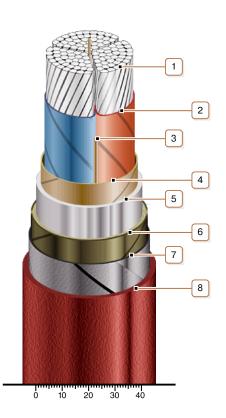




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CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Lead sheath
- 6. Plastic-tape and glass-tape bedding
- 7. Double galvanized steel-tape armour
- 8. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated