



СБвШнгд 3х240-1 **ТУ У 27.3-00214534-091:2017**

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

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *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: ПБ123121000

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 ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Kk1 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 μS/mm)*



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TECHNICAL SPECIFICATIONS

| | | |
|--|-----------------|----------------------|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | mm ² | 3 x 240 |
| Insulation thickness between conductors | mm | 1.9 |
| Insulation thickness of conductor-sheath | mm | 1.55 |
| Sheath thickness | mm | 1.56 |
| Permissible continuous current rating * | | |
| • by aerial laying | A | 522 |
| • by burial | A | 455 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 810 |
| Level difference along the laying rout, not more than | m | 20 |
| Metal sheath outer diameter (for reference only) | mm | 43 |
| Rated outer diameter of the cable (for reference) ** | mm | 54 |
| Cable weight (approximate) | kg/km | 11740 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 18: **** 386 • 5.0 |

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 %

**** Option delivery on not full drum

CONSTRUCTION

1. Copper multiwire compact conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Lead sheath
6. Bedding with PVC compound moulded-in hose
7. Double galvanized steel-tape armour
8. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated

