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КМПвВнгд 4х2.5 ТУ У 27.3-00214534-084:2016



Compact cables with copper conductors, XLPE-insulated, sheathed with low risk-of-fire PVC composition

For the cable of this mark correspond the foreign-made analogues: КМПвВнг-LS (RU) Used:

• for the installation of control circuits, alarm system, communications, interinstrument connections operating at AC voltage of 500 V or 1000 V with frequency no more than 200 kHz, or at a constant voltage of 750 V or 1000 V, respectively

• for multi-cable installation (acc. GOST 31565:2012) in cable channels and premises of internal electrical installations, including nuclear power stations (NPS) outside the under containment zone

• for use in systems having security class 3 (B), 3 (C) and 4 according to the classification of H Π 306.2.141-2008 and H Π 306.2.202-2015

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 $\[mu]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)





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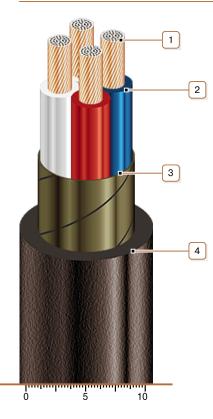
TECHNICAL SPECIFICATIONS

| Rated AC voltage of no more than 200 kHz | V | 500; 1000 | |
|-----------------------------------------------|-----------------|-----------|--|
| Rated DC voltage | V | 750; 1000 | |
| Number and rated diameter of conductors | mm ² | 4 x 2.5 | |
| Operating temperature range | °C | -50 +60 | |
| Permissible continious conductors temperature | °C | +90 | |
| Minimum bending radius by laying | mm | 68 | |
| Cable outer diameter (for reference only) ** | mm | 11.2 | |
| Cable weight (approximate) | kg/km | 192 | |
| Notoo | | | |

Notes:

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

** The external diameter may differ from the rated up to \pm 10 %



CONSTRUCTION

1. Copper multiwire conductor

2. XLPE insulation

- 3. Wrapping the core with glass tape or mica glass tape
- 4. Outer sheath of low risk-of-fire polyvinylchloride (PVC) composition