



КУГВЭВнгд 24х0.35 **ТУ У 27.3-00214534-084:2016**

Control cables with copper conductors, with insulation and sheath made of low risk-of-fire PVC composition, with screened cores

For the cable of this mark correspond the foreign-made analogues:

КУГВЭВнг-LS (RU)

Used:

- for fixed installation of the control circuits operating at voltages up to 380 V AC 50 Hz or 500 V DC
- 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 НП 306.2.141-2008 and НП 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 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 Kк1 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 AC voltage | V | 380 |
| Rated DC voltage | V | 500 |
| Number and rated diameter of conductors | mm ² | 24 x 0.35 |
| Operating temperature range | °C | -50 ... +60 |
| Permissible continuous conductors temperature | °C | +70 |
| Minimum bending radius by laying | mm | 107 |
| Cable outer diameter (for reference only) ** | mm | 17.8 |
| Cable weight (approximate) | kg/km | 595 |

Notes:

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

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

CONSTRUCTION

1. Copper multiwire conductor
2. Low fire-risk PVC compound insulation
3. Insulation screen - tinned copper or copper wires braid
4. Wrapping the core with polyethylene terephthalate film
5. Outer sheath of low risk-of-fire polyvinylchloride (PVC) composition

