



## **КУГВЭВнгд 7х0.5 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/m<sup>3</sup>)
- class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/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 AC voltage	V	380
Rated DC voltage	V	500
Number and rated diameter of conductors	mm <sup>2</sup>	7 x 0.5
Operating temperature range	°C	-50 ... +60
Permissible continuous conductors temperature	°C	+70
Minimum bending radius by laying	mm	65
Cable outer diameter (for reference only) **	mm	10.8
Cable weight (approximate)	kg/km	214

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

