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# КУГВВЭнгд 61х0.5 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 collective screen

For the cable of this mark correspond the foreign-made analogues: KYГВВЭнг-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 H $\Pi$  306.2.141-2008 and H $\Pi$  306.2.202-2015

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  $\Pi T \kappa 1$  on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)
- class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)
- corrosive class  $K\kappa 1$  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  $\mu$ S/mm)







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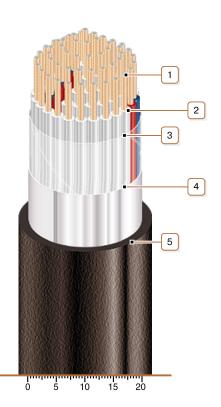
#### **TECHNICAL SPECIFICATIONS**

Rated AC voltage	V	380	
Rated DC voltage	V	500	
Number and rated diameter of conductors	mm²	61 x 0.5	
Operating temperature range	°C	-50 +60	
Permissible continious conductors temperature	°C	+70	
Minimum bending radius by laying	mm	138	
Cable outer diameter (for reference only) **	mm	23	
Cable weight (approximate)	kg/km	788	

Notes:

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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



### **CONSTRUCTION**

- 1. Copper multiwire conductor
- 2. Low fire-risk PVC compound insulation
- 3. Wrapping the core with polyethylene terephthalate film
- 4. Collective screen of aluminium foil or metallized PET with copper contact conductor
- 5. Outer sheath of low risk-of-fire polyvinylchloride (PVC) composition