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# КУГВЭВнгд 37х0.35 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: KYFBЭBHF-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: 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  $120 \text{ g/m}^3$ )

• class  $\prod \kappa 1$  on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup> (kg)

formation from 50 to 500  $m^2/kg$ )

• class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class Kx1 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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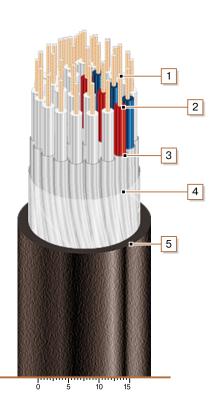
### **TECHNICAL SPECIFICATIONS**

Rated AC voltage	V	380	
Rated DC voltage	V	500	
Number and rated diameter of conductors	mm²	37 x 0.35	
Operating temperature range	°C	-50 +60	
Permissible continious conductors temperature	°C	+70	
Minimum bending radius by laying	mm	125	
Cable outer diameter (for reference only) **	mm	20.7	
Cable weight (approximate)	kg/km	885	
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. 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