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КУГВВЭнгд 14x0.35 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 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 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 $\Pi T \kappa 1$ 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 $K\kappa 1$ 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 μ S/mm)







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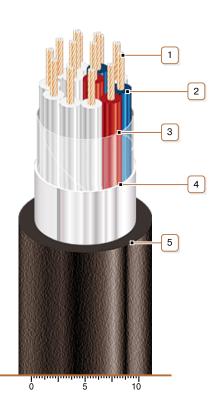
TECHNICAL SPECIFICATIONS

Rated AC voltage	V	380	
Rated DC voltage	V	500	
Number and rated diameter of conductors	mm²	14 x 0.35	
Operating temperature range	°C	-50 +60	
Permissible continious conductors temperature	°C	+70	
Minimum bending radius by laying	mm	74	
Cable outer diameter (for reference only) **	mm	12.3	
Cable weight (approximate)	kg/km	217	

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. 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