450301-007010000035

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КУГВВЭнгд 7х0.35
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:
КУГВВЭнг-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^3)*
- *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m^2/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Кк1 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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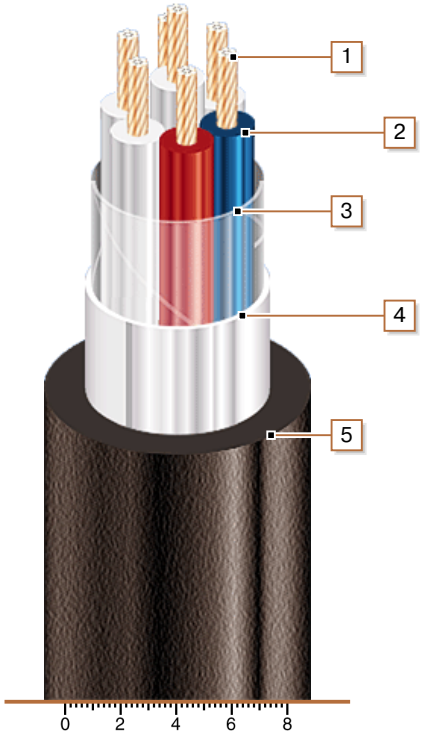
TECHNICAL SPECIFICATIONS

Rated AC voltage	V	380
Rated DC voltage	V	500
Number and rated diameter of conductors	mm^2	7 x 0.35
Operating temperature range	˚C	-50 ... +60
Permissible continious conductors temperature	˚C	+70
Minimum bending radius by laying	mm	57
Cable outer diameter (for reference only) **	mm	9.5
Cable weight (approximate)	kg/km	133

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 ± 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*

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