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КПвПГЭнг-FRHF 5х1 ТУ У 31.3-00214534-069:2011

Control flame-resistant screened halogen-free cables with copper conductors, XLPE, polymer compound sheath

Cables are used for laying:

- in premises, dry ducts and tunnels, in corrosive environment
- with no risk of mechanical damage in operation
- · in bunches
- · power supply cable lines of NPP electric equipment, wiring in office premises, which are computerized and intelligent, in kindergartens, schools, hospitals and for cable lines of spectating complexes and sport
- power supply cable lines of NPP safety system equipment, circuits wiring of fire safety systems (fire alarm circuits, power supply of fire-fighting pumps, lightning of emergency exits and evacuation routes, smoke exhaust and blowing ventilation systems, evacuation elevators); for wiring in hospital surgical wings, emergency and equipment (current collectors) power supply circuits, operating in a fire emergency
- · with the need to protect from the effects of external electric fields

Manufacturing of extruded fire-resistant barrier is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122580

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 ДТк1 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 Kκ2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10 μ S/mm)
- flame-resistant class Ex90 under fire conditions at standard temperature conditions ДСТУ Б В.1.1-4
- flame-resistant class FE180 under fire conditions with a temperature not less than 750 °C







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КПвПГЭнг-FRHF 5x1 ТУ У 31.3-00214534-069:2011

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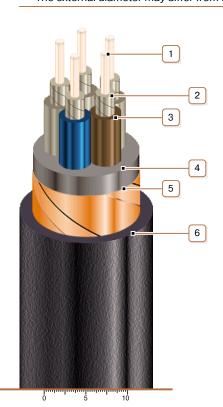
TECHNICAL SPECIFICATIONS

| Rated voltage (AC / DC) | V | 660 / 1000 |
|---|-------|------------------|
| Number and rated area of conductors | mm² | 5 x 1 |
| Minimum bending radius by laying | mm | 96 |
| Cable outer diameter (for reference only) ** | mm | 16 |
| Cable weight (approximate) | kg/km | 350 |
| Rated factory cable length and gross weight of the delivery | m, t | # 12: 1280 • 0.6 |
| on the drums *** | | |

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 conductor
- 2. Fire-resistant barrier

Note: Manufacturing of extruded fire-resistant barrier is possible

- 3. XLPE insulation
- 4. Halogen-free polymer compound inner sheath
- 5. Copper screen
- 6. Polymer compound outer sheath:flame-retardant and halogen-free

Note: Conductor twisting is not illustrated