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ПвПГнг-FRHF 5x1.5-1 ТУ У 31.3-00214534-069:2012

Fire resistant power cables with copper conductors, XLPE-insulated, with polymer compound outer sheath, flame-retardant, halogen-free

Cables are used for laying:

- · 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 structures
- 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

Manufacturing of extruded fire-resistant barrier is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122080

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 μS/mm)
- flame-resistant class FE180 under fire conditions with a temperature not less than 750 °C







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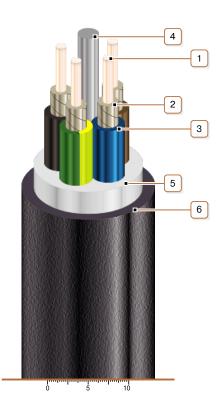
TECHNICAL SPECIFICATIONS

kV	1
mm²	5 x 1.5
mm	0.7
) *	
Α	23
°C	+90
°C	+130
°C	+250
°C	-50 +50
mm	135
mm	18
kg/km	360
m, t	# 12: 1010 • 0.5
	mm² mm) * A C C C C C C mm mm kg/km

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. PVC compound bundle
- 5. Halogen-free polymer compound inner sheath
- 6. Polymer compound outer sheath:flame-retardant and halogen-free

Note: Conductor twisting is not illustrated

^{*} Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K • m/W, laying depth in the soil 0.7 m