7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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180139-110350100000

ПвПГнг-HF 1х35-1
ТУ У 31.3-00214534-069:2011

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*

Manufacturing of cable with multiwire conductors is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122000
Products of this mark meet the requirements:
• *single wire cable flame retardance*
• *bunched cable flame retardance category A*
• *toxicity class Тк3 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 Кк2 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)*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	1 x 35
Phase insulation thikness	mm	0.9
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	180
Permissible continious current rating (DC) *		
• *by aerial laying*	A	230
Maximum permissible conductor temperature		
• *Continious*	°C	+90
• *in emergency operation*	°C	+130
• *at short circuit*	°C	+250
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	150
Rated outer diameter of the cable (for reference) **	mm	15
Cable weight (approximate)	kg/km	470
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 12: 1450 • 0.8

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

** 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*

*** The external diameter may differ from the rated up to ± 10 %*

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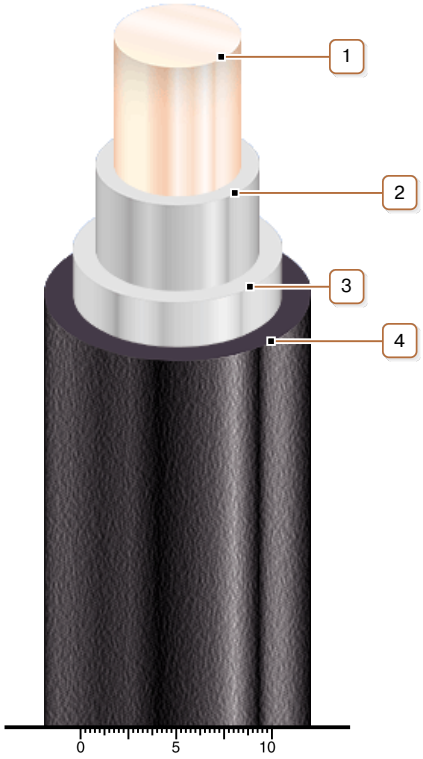

CONSTRUCTION

1. Copper conductor
2. XLPE insulation
3. Halogen-free polymer compound inner sheath
4. Polymer compound outer sheath:flame-retardant and halogen-free

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