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E-mail: market@yuzhcable.com.ua ВБбШнгд 3x120+1x70-1 ТУ У 31.3-00214534-018-2003



Power cables with copper conductors, with low-flammable PVC-compound insulation, galvanized steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

- in bunches
- · in premises, dry ducts and tunnels, in corrosive environment
- in places, where small mechanical impacts on cable are possible, including tensile forces
- in bunches, in crowded places

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 $\prod \kappa 1$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)

• class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class K κ 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)

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 120 + 1 x 70
Phase insulation thikness	mm	1.6
Permissible continious current rating (AC of industrial frequency	') *	
• by aerial laying	А	302
• by burial	А	317
Maximum permissible conductor temperature		
Continious	°C	+70
in emergency operation	°C	+80
at short circuit	°C	+130
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	330
Rated outer diameter of the cable (for reference) **	mm	44
Cable weight (approximate)	kg/km	5520
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 520 • 3.1
on the drums ***		# 18: 600 • 3.8
		# 20: 960 • 5.9

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 $^{\kappa \cdot}m/W,$ laying depth in the soil 0.7 m

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

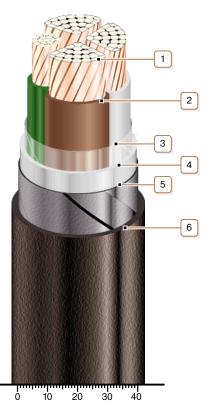




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CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. Low fire-risk PVC compound insulation
- 3. PET film winding
- 4. Low fire-risk PVC-compound inner sheath
- 5. Double galvanized steel-tape armour
- 6. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated