



СП2лШнг 3х70-10 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *in soil (trenches) with high corrosiveness, as well as with vagabond currents*
- *in soil (trenches) with high corrosiveness without vagabond currents*
- *in mines, non-hazardous as for gas and dust*
- *with a risk of mechanical damage and tensile forces in operation*
- *in bunches*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category A*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	10
Number and rated area of conductors	mm ²	3 x 70
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.46
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	219
• <i>by burial</i>	A	212
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	780
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	36
Rated outer diameter of the cable (for reference) **	mm	52
Cable weight (approximate)	kg/km	7100
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 370 • 2.9 # 18: 430 • 3.5

Notes:

When ordering it is necessary 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 multiwire compact conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Lead sheath
7. Double-layer plastic-tape bedding
8. Round galvanized steel-wire armour
9. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated

