153601-011004000120

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АСПлШнг 4х120(ож)-1
ТУ У 27.3-00214534-091:2017

Power cables with aluminium 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 medium corrosiveness, as well as with vagabond currents*
- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes*
- *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	1
Number and rated area of conductors	mm^2	4 x 120
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.42
Permissible continious current rating *		
• *by aerial laying*	A	243
• *by burial*	A	231
Operating temperature range	˚C	-50 … +50
Minimum bending radius by laying	mm	765
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	35
Rated outer diameter of the cable (for reference) **	mm	51
Cable weight (approximate)	kg/km	6320
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 370 • 2.6 # 18: 430 • 3.2 # 20: 680 • 4.9

Notes:

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

** Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors 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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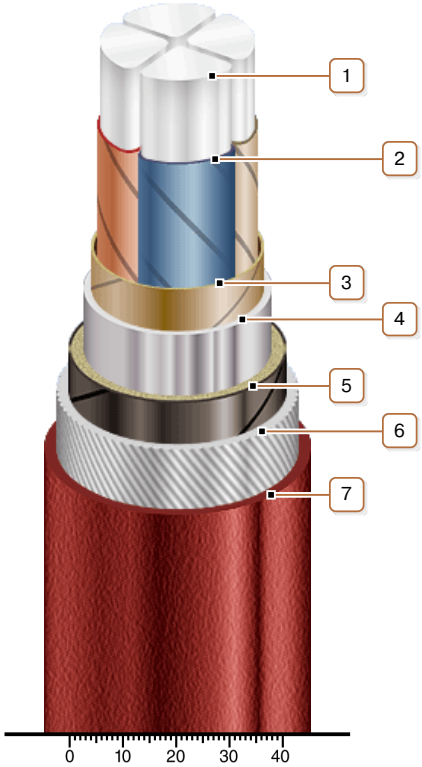

CONSTRUCTION

1. *Aluminium conductor*
2. *Impregnated paper insulation*
3. *Belt insulation*
4. *Lead sheath*
5. *Single-layer plastic-tape bedding*
6. *Round galvanized steel-wire armour*
7. *Pressed off low-flammable PVC compound protection hose*

Note: Conductor twisting is not illustrated

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