151801-012004000185

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ААП2лШнг 4х185-1
ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes*
- *in fire-risk premises*
- *on technological trestles*
- *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 185
Insulation thikness between conductors	mm	1.9
Insulation thikness of conductor-sheath	mm	1.55
Sheath thikness	mm	1.75
Permissible continious current rating *		
• *by aerial laying*	A	318
• *by burial*	A	292
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	1575
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	45
Rated outer diameter of the cable (for reference) **	mm	63
Cable weight (approximate)	kg/km	7260
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 20: 440 • 3.8 # 22: 500 • 4.4

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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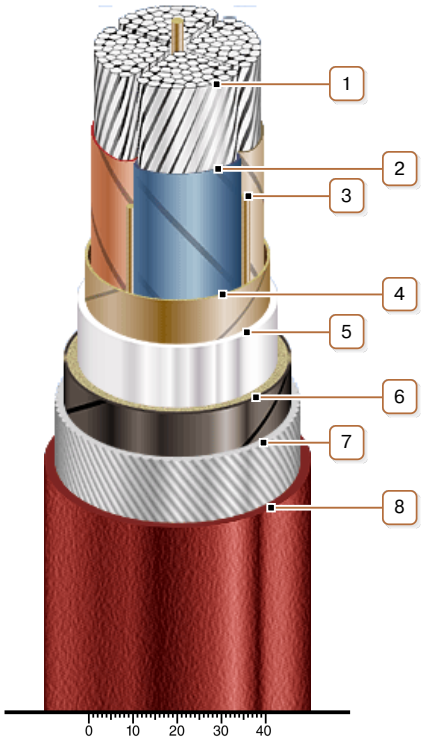

CONSTRUCTION

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

Note: Conductor twisting is not illustrated

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