153801-102003000070

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

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed

Cables are used for laying:
- *in blocks*
- *with no risk of mechanical damage in operation*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	10
Number and rated area of conductors	mm^2	3 x 70
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.88
Permissible continious current rating *		
• *by aerial laying*	A	219
• *by burial*	A	212
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	555
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	36
Rated outer diameter of the cable (for reference) **	mm	37
Cable weight (approximate)	kg/km	4800
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 700 • 3.6

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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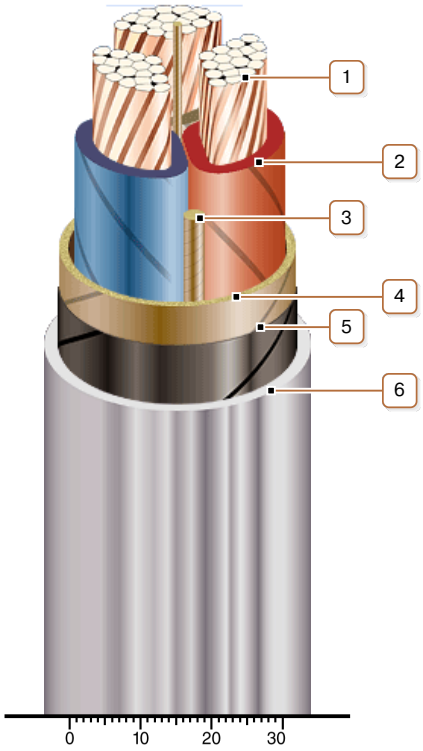

CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Conducting paper screen*
6. *Lead sheath*

Note: Conductor twisting is not illustrated

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