7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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153801-012004000050

СГ 4х50-1
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	1
Number and rated area of conductors	mm^2	4 x 50
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.58
Permissible continious current rating *		
• *by aerial laying*	A	181
• *by burial*	A	186
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	405
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	25
Rated outer diameter of the cable (for reference) **	mm	27
Cable weight (approximate)	kg/km	3260
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16: 490 • 1.9

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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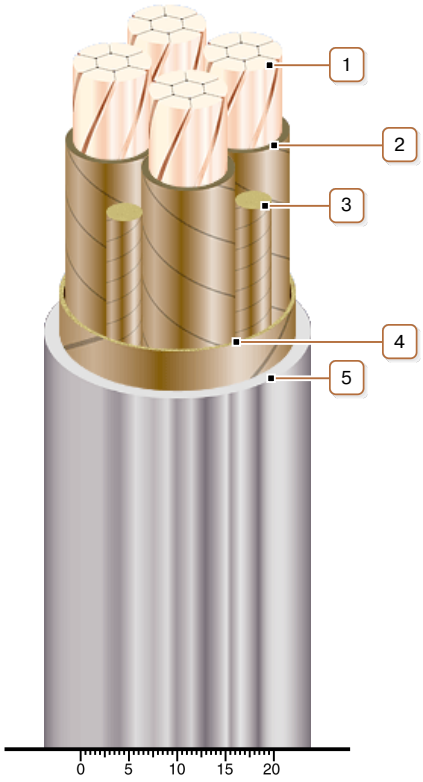

CONSTRUCTION

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

Note: Conductor twisting is not illustrated

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