7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
E-mail: market@yuzhcable.com.ua

180502-130350100350

ВВГнг-К 3х35/35-1
ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, with PVC compound insulation, with concentric conductor, with low-flammable PVC-compound protection hose

Cables are used for laying:
- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in locations, where a high level of electrical protection is required*

It is possible to manufacture armoured cable

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	3 x 35
Nominal cross-section area of concentric conductor	mm^2	35
Phase insulation thikness	mm	1.2
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	137
• *by burial*	A	158
Maximum permissible conductor temperature		
• *Continious*	˚C	+70
• *at short circuit*	˚C	+160
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	232.5
Rated outer diameter of the cable (for reference) **	mm	31
Cable weight (approximate)	kg/km	2050
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 610 • 1.4 # 16a: 990 • 2.3

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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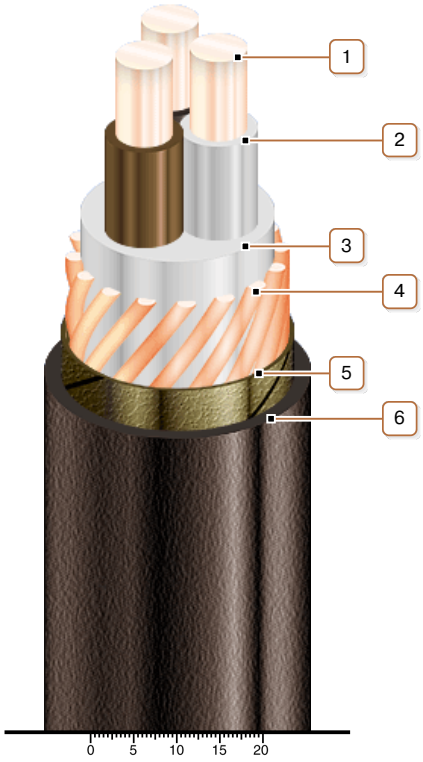

CONSTRUCTION

1. *Copper conductor*
2. *PVC compound insulation*
3. *PVC compound belt insulation*
4. *Concentric copper conductor*
5. *Lapping layer of nonwoven cloth tape*
6. *Low flammable PVC compound outer sheath*

Note: Conductor twisting is not illustrated

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