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

180407-131850200000

ПвЗКП 3х185-1
ТУ У 31.3-00214534-016-2003

Power cables with copper conductors, XLPE-insulated, with filling of intermediate spaces between the conductors, round-steel-wire armoured, with polyethylene outer sheath

Cables are used for laying:
- *in premises, tunnels, collectors, in soil (trenches), in corrosive environment*
- *in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)*
- *in water at depth up to 10 m*

Manufacturing of cables with a different number and different design of conductors is possible
Manufacturing of single-phase cables with aluminium-wire armour is possible

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	3 x 185
Phase insulation thikness	mm	1.6
Armor wire diameter	mm	2.8
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	504
• *by burial*	A	442
Maximum permissible conductor temperature		
• *Continious*	˚C	+90
• *at short circuit*	˚C	+250
Operating temperature range	˚C	-60 ... +50
Minimum bending radius by laying	mm	432
Rated outer diameter of the cable (for reference) **	mm	54
Cable weight (approximate)	kg/km	8930
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 400 • 4.0 # 20: 630 • 6.3

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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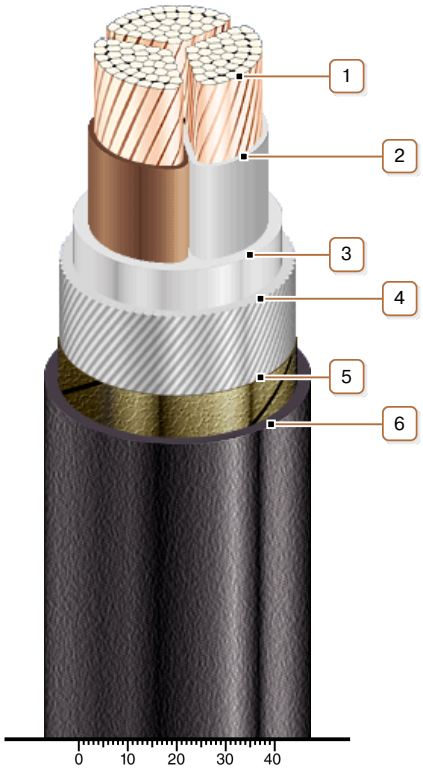

CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *XLPE insulation*
3. *PVC compound belt insulation*
4. *Round galvanized steel-wire armour*
   Note: Manufacturing of single-phase cables with aluminium-wire armour is possible
5. *Lapping layer of nonwoven cloth tape*
6. *Polyethylene outer sheath*

Note: Conductor twisting is not illustrated

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