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180413-130250100000

ПвКВнг 3х25-1
ТУ У 31.3-00214534-016-2003

Power cables with copper conductors, XLPE-insulated, galvanized steel-wire armoured, with low-flammable PVC-compound outer sheath

Cables are used for laying:
- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)*

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: ПБ130000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*
- *bunched cable flame retardance category B*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	3 x 25
Phase insulation thikness	mm	0.9
Armor wire diameter	mm	1.4
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	141
• *by burial*	A	144
Maximum permissible conductor temperature		
• *Continious*	˚C	+90
• *at short circuit*	˚C	+250
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	156
Rated outer diameter of the cable (for reference) **	mm	26
Cable weight (approximate)	kg/km	1630
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 930 • 1.7

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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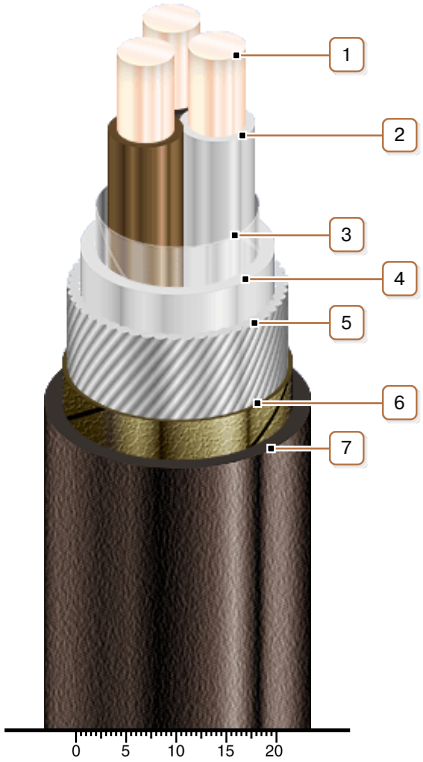

CONSTRUCTION

1. Copper conductor
2. XLPE insulation
3. PET film winding
4. PVC compound belt insulation
5. Round galvanized steel-wire armour
Note: Manufacturing of single-phase cables with aluminium-wire armour is possible
6. Lapping layer of nonwoven cloth tape
7. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

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