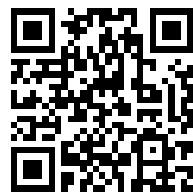




100101-35003000050



АПВЕВ-35 3x50 ТУ У 31.3-00214534-017-2003

Power cables with aluminium conductors, with XLPE and PVC compound outer sheath

For the cable of this mark correspond the foreign-made analogues:

NA2XSEY (DE) • A2XSEY (DE) • AI/XLPE/CWS/PVC (GB) • АПВ (RU)

Technical cable requirements correspond to IEC 60502-2

Cables are used for laying:

- *in premises, tunnels, ducts, mines, dry soil and outdoor under shelter*
- *single laying*

It is possible to manufacture cables with an integrated fiber-optic module.

Order entry example:

АПВЕВ-35 3x50/16 (ОМ) ТУ У 31.3-00214534-017-2003

In conjunction with the DTS system, the integrated fiber-optic module can act as a distributed cable line temperature sensor.

It is possible to manufacture cable with sealed conductors.

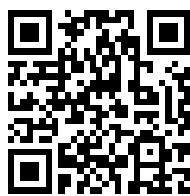
Order entry example:

АПВЕВ-35 3x50/16 (г) ТУ У 31.3-00214534-017-2003

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*


**АПВЕВ-35 3x50
ТУ У 31.3-00214534-017-2003**

Power cables with aluminium conductors, with XLPE and PVC compound outer sheath

TECHNICAL SPECIFICATIONS

Rated voltage	kV	35
Maximum voltage	kV	42
Number and rated area of conductors	mm ²	3 x 50
Insulation thickness	mm	8.6
Minimum screen cross-section	mm ²	16
Permissible short circuit current across the screen of minimum cross-section	kA	3.3
Maximum permissible short-circuit current in core	kA	4.7
Permissible continuous current rating *		
• by aerial laying	A	158
• by burial	A	140
Partial discharge factor for rated voltage, not more than	pC	6
Maximum permissible conductor temperature		
• Continuous	°C	+90
• in emergency operation	°C	+130
• at short circuit	°C	+250
Operating temperature range (in climate version NF)	°C	-50 ... +50
Operating temperature range (in climate version T)	°C	-25 ... +65
Minimum bending radius by laying	mm	1104
Rated outer diameter of the cable (for reference) **	mm	69
Cable weight (approximate)	kg/km	4830
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 22УД-60: 339 • 2.6 # 25УД-90: 611 • 4.5

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

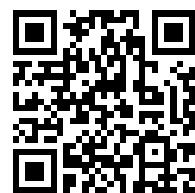
* Long permissible current loads are calculated for the following conditions: conductor temperature 90 °C, air temperature 30 °C, soil temperature 20 °C, load factor 1.0, thermal resistivity of soil 1.5 K•m/W, laying depth in the ground 0.8 m, shields are grounded at both ends of the line

** The external diameter may differ from the rated up to ± 10 %

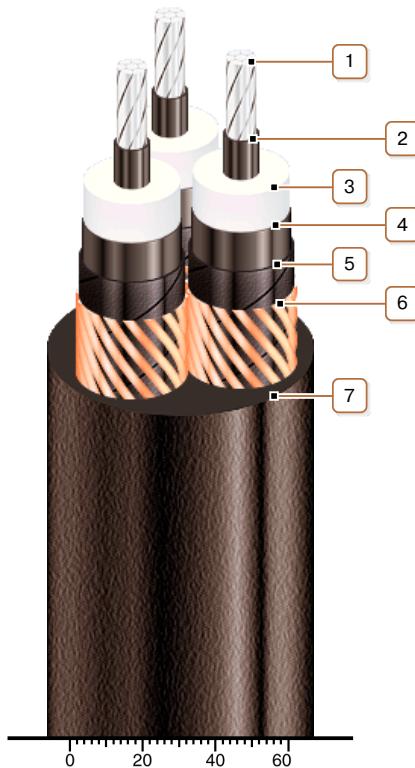
*** Отклонение фактической массы брутто от указанного значения может составлять ± 7 %



100101-35003000050

**АПВЕВ-35 3x50**
ТУ У 31.3-00214534-017-2003

Power cables with aluminium conductors, with XLPE and PVC compound outer sheath

**CONSTRUCTION****1. Aluminium multiwire compacted conductor***Note: It is possible to manufacture cable with sealed conductors.***2. Inner extruded semiconducting layer****3. XLPE insulation****4. Outer extruded semiconducting layer****5. Lapping layer of semiconductive swellable tape****6. Copper screen****7. PVC compound outer sheath***Note: Conductor twisting is not illustrated*