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# АПвЭгаП-60 1x2000 ТУ У 31.3-00214534-060:2011



Power cables with aluminium conductor, with XLPE, longitudinal and transverse screen sealing and polyethylene outer sheath

For the cable of this mark correspond the foreign-made analogues: NA2XS(FL)2Y (DE) • A2XS(FL)2Y (DE) • AHXCHBMK (FI) • AI/XLPE/CWS/LW/MDPE (GB) • XRUHAKXS (PL) • AΠβΠ2r (RU)

Technical cable requirements correspond to IEC 60840

Cables are used for laying:

- in soil (trenches)
- in damp, partially flooded premises
- in ground with high humidity
- in non-navigable waters
- in the air, including cable structures, if provided the additional fire protection

It is possible to manufacture cables with extruded semiconductor layer along outer sheath. Order entry example:

АПвЭгаП-П-60 1х2000/95 ТУ У 31.3-00214534-060:2011

An extruded semiconductor layer along outer sheath ensures the correct testing of cable line with sections of underground laying in polymer pipes.

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

Order entry example:

АПвЭгаП-60 1x2000/95 (ОМ) ТУ У 31.3-00214534-060:2011

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 conductor. Order entry example: ΑΠβΘraΠ-60 1x2000/95 (г) TУ У 31.3-00214534-060:2011





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## **TECHNICAL SPECIFICATIONS**

aximum voltagek²anductor rated areamrnimum screen cross-sectionmrrtial discharge factor for rated voltage, not more thanpdrmissible short circuit current across the screen ofk/nimum cross-sectionmraximum permissible short-circuit current in corek/aximum permissible short-circuit current in corek/nimus construction with double-side screen earthingAn trefoil formation with double-side screen earthing orAcoss screen earthingAcolane with double-side screen earthing or cross screenAcolane with single-side screen earthing or cross screenAcolane with single-side screen earthing or cross screenAcolane with single-side screen earthing or cross screenAcolane continious current rating by burial *A	n <sup>2</sup> 2000 n <sup>2</sup> 35 C 6 A 10.2	0
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oss screen earthing		
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plane with single-side screen earthing or cross screen A	1355	5
rthing		
aximum permissible conductor temperature		
Continious ° (		
n emergency operation ° (	C +130	2
at short circuit ° (	C +250	<u>)</u>
erating temperature range ° (	C -60.	+50
nimum bending radius by laying mi	m 1584	4
ted outer diameter of the cable (for reference) ** mi	m 99	
ble weight (approximate) kg/		10
ted factory cable length and gross weight of the delivery m the drums ***	km 1260	00

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: conductor temperature 90 °C, air temperature 30 °C, soil temperature 20 °C, load factor 1.0, thermal resistivity of soil 1.0 °K  $\cdot$  m/W, laying depth in the ground 1.5 m, while laying in flat formation the distance between cables in clear is equal to the cable diameter, while laying in trefoil formation cables are laid side by side \*\* The external diameter may differ from the rated up to ± 10 %

\*\*\* Отклонение фактической массы брутто от указанного значения может составлять  $\pm$  7 %

\*\*\*\* Option delivery on not full drum



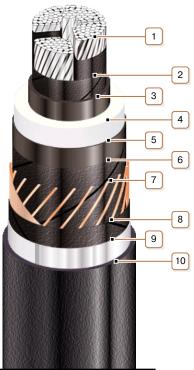


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### 0 25 50 75

## CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- Notes: • It is possible to manufacture cable with sealed conductor. • Conductor segment twisting is not illustrated
- 2. Lapping layer of semiconductive swellable tape
- 3. Inner extruded semiconducting layer
- 4. XLPE insulation
- 5. Outer extruded semiconducting layer
- 6. Lapping layer of semiconductive swellable tape

#### 7. Copper screen

Note: It is possible to manufacture a cable with a fiber optic module built into the screen, including as a DTS system sensor

- 8. Lapping layer of semiconductive swellable tape
- 9. Alumopolymer tape

**10. Outer sheath of polyethylene or polyethylene copolymer** Note: It is possible to manufacture cable with extruded semiconductor layer along outer sheath