



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

АПвЭСПу-20 1х1000 ТУ У 27.3-00214534-092:2016



Single-core power cables with aluminium conductors, XLPE-insulated, with copper screen, lead-sheathed, with reinforced outer sheath of polyethylene

Technical cable requirements correspond to IEC 60502-2

Cables are used for laying:

- in places, where small mechanical impacts on cable are possible, including tensile forces
- in soil (trenches) with high corrosiveness
- in damp, partially flooded premises
- in wetlands
- in non-navigable waters
- on difficult route sections, according to the unique specification
- in the air, including cable structures, if provided the additional fire protection

It is possible to manufacture cable with a segmented conductor

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

АПвЭСПу-П-20 1х1000/70 ТУ У 27.3-00214534-092:2016

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:

АПвЭСПу-20 1x1000/70 (ОМ) ТУ У 27.3-00214534-092:2016

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

Cables without copper screen can also be manufactured

It is possible to manufacture cable with sealed conductor. Order entry example: ΑΠβΘCΠy-20 1x1000/70 (Γ) TY Y 27.3-00214534-092:2016





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TECHNICAL SPECIFICATIONS

kV	20
kV	24
mm²	1 x 1000
mm	5.5
mm	2.5
kA	15.80
kA	94
А	1214
А	1315
А	736
А	717
рС	6
°C	+90
°C	+130
°C	+250
°C	-60 +50
mm	1750
mm	70
kg/km	11050
m, t	# 25УД-90: 611 • 8.3
	kV mm² mm kA kA kA kA c c c c c c c c c c c c c c

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, thermal resistivity of soil 1.5 °K • m/W, laying depth in the soil 0.8 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, shields are earthed on both ends of the line

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



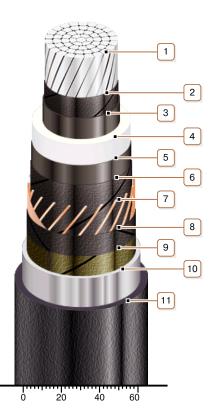


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CONSTRUCTION

- 1. Aluminium multiwire compacted conductor Notes:
- It is possible to manufacture cable with a segmented conductor
 It is possible to manufacture cable with sealed conductor.
- 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 tape7. Copper screen

Note: Cables without copper screen can also be manufactured

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

10. Lead sheath

11. Strengthened polyethylene outer sheath

Note: It is possible to manufacture cable with extruded semiconductor layer along outer sheath