





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

# АПвЭБПу-10 3x70 ТУ У 31.3-00214534-017-2003

Three-core power cables with aluminium conductors, with XLPE, steel-tape armoured, with strengthened polyethylene outer sheath

Technical cable requirements correspond to IEC 60502-2

Cables are used for laying:

- · in places, where mechanical impacts on cable are possible, except tensile forces
- in soil (trenches)
- · 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 cables with extruded semiconductor layer along outer sheath.

Order entry example:

АПвЭБПу-П-10 3x70/16 ТУ У 31.3-00214534-017-2003

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:

АПвЭБПу-10 3x70/16 (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:

АПвЭБПу-10 3х70/16 (г) ТУ У 31.3-00214534-017-2003







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

# АПвЭБПу-10 3x70 ТУ У 31.3-00214534-017-2003

Three-core power cables with aluminium conductors, with XLPE, steel-tape armoured, with strengthened polyethylene outer sheath

## **TECHNICAL SPECIFICATIONS**

kV	10
kV	12
mm²	3 x 70
mm	3.4
mm²	16
kA	3.3
kA	6.6
Α	196
А	171
рС	6
° C	+90
° C	+130
° C	+250
° C	-60 +50
mm	928
mm	58
kg/km	3690
m, t	# 18аУД-40: 423 • 2.1
	# 20аУД-60: 526 • 2.6
	# 25УД-90: 838 • 4.7
	kV mm² mm mm² kA  kA  A A pC  ° C ° C ° C mm mm kg/km

### Notes:

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %

<sup>\*\*\*</sup> Отклонение фактической массы брутто от указанного значения может составлять  $\pm\,7\,\%$ 







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

# АПвЭБПу-10 3x70 ТУ У 31.3-00214534-017-2003

Three-core power cables with aluminium conductors, with XLPE, steel-tape armoured, with strengthened polyethylene 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. Extruded filling of PVC compound
- 8. Double galvanized steel-tape armour
- 9. Strengthened polyethylene outer sheath

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

Note: Conductor twisting is not illustrated