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АПвЭогВнг-10 3х120 ТУ У 31.3-00214534-017-2003



Three-core power cables with aluminium conductors, flame-retardant, with XLPE, collective screen, with longitudinal sealing and PVC compound outer sheath

Technical cable requirements correspond to IEC 60502-2

Cables are used for laying:

• in premises, tunnels, ducts, mines, dry soil and outdoor under shelter

in bunches

It is possible to manufacture cables with an integrated fiber-optic module. Order entry example:

 $A\Pi_B \Im_{Or}B_{H\Gamma}$ -10 3x120/50 (OM) TY Y 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: АПвЭогВнг-10 3x120/50 (г) ТУ У 31.3-00214534-017-2003

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ130000000 Products of this mark meet the requirements:

- single wire cable flame retardance
- bunched cable flame retardance category B





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TECHNICAL SPECIFICATIONS

10
12
3 x 120
3.4
50
10.2
11.3
273
232
6
+90
+130
+250
-50 +50
-25 +65
1040
65
4250
22УД-60: 363 • 2.5
25УД-90: 643 • 4.3

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 1.5 °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 \pm 10 %

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



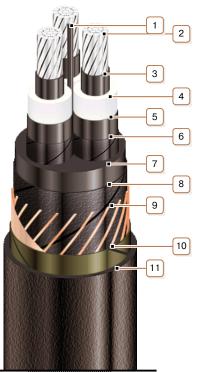


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) 10 20 30

CONSTRUCTION

1. Central polyethylene bundle

2. Aluminium multiwire compacted conductor Notes:

• It is possible to manufacture cable with a single-wire conductor

- It is possible to manufacture cable with sealed conductors.
- 3. Inner extruded semiconducting layer
- 4. XLPE insulation
- 5. Outer extruded semiconducting layer
- 6. Lapping layer of semiconductive swellable tape
- 7. Extruded filling of semiconducting polyethylene
- 8. Lapping layer of semiconductive swellable tape
- 9. Copper screen
- 10. Lapping layer of glass tape
- 11. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated