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АПвАПу-10 1х400 ТУ У 27.3-00214534-092:2016



Single-core power cables with aluminium conductors, XLPE-insulated, aluminium 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)
- in damp, partially flooded premises
- 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:

АПвАПу-П-10 1х400/35 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:

АПвАПу-10 1х400/35 (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 with copper screen can also be manufactured

It is possible to manufacture cable with sealed conductor. Order entry example:

АПвАПу-10 1х400/35 (г) ТУ У 27.3-00214534-092:2016





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TECHNICAL SPECIFICATIONS

	10
	12
mm²	1 x 400
mm	3.4
mm	1.5
kA	14.60
kA	37.6
А	673
А	769
А	470
А	466
рС	6
°C	+90
°C	+130
°C	+250
°C	-60 +50
mm	1075
mm	43
kg/km	2410
m, t	# 18аУД-40: 879 • 2.7
	# 22УД-60: 882 • 3.0
	# 20аУД-60: 995 • 3.1
	mm kA kA kA A A A A PC °C °C °C °C °C °C °C mm mm kg/km

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 %

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



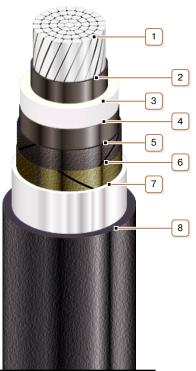


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0 10 20 30

CONSTRUCTION

- **1. Aluminium multiwire compacted conductor** Note: It is possible to manufacture cable with sealed conductor.
- 2. Inner extruded semiconducting layer
- 3. XLPE insulation
- 4. Outer extruded semiconducting layer
- 5. Lapping layer of semiconductive swellable tape
- 6. Lapping layer of semiconductive tape
- 7. Aluminium sheath
- 8. Strengthened polyethylene outer sheath

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

Note: Cables with copper screen can also be manufactured