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АПвЭгаП-45 1x120 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) · AΠβΠ2Γ (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-45 1х120/95 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-45 1х120/95 (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:

АПвЭгаП-45 1х120/95 (г) ТУ У 31.3-00214534-060:2011







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TECHNICAL SPECIFICATIONS

pC kA kA A A	45 52 120 35 6 3.3 11.3 317 321 363 381
mm² pC kA kA A	120 35 6 3.3 11.3 317 321
mm² pC kA kA A A	35 6 3.3 11.3 317 321
pC kA kA A A	6 3.3 11.3 317 321 363
kA kA A A	3.3 11.3 317 321 363
kA A A	11.3 317 321 363
A A	317 321 363
A A	317 321 363
A	321 363
A	321 363
A	363
Α	381
Α	271
Α	276
Α	273
Α	287
°C	+90
°C	+130
°C	+250
°C	-60 +50
mm	720
mm	45
g/km	2070
m, t	# 22УД-60: 848 • 2.7
(A A A C C C C C C C C C Mmm mm g/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, load factor 1.0, thermal resistivity of soil 1.0 °K • 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 \pm 10 %

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







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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. 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

- 7. Lapping layer of semiconductive swellable tape
- 8. Alumopolymer tape
- 9. Outer sheath of polyethylene or polyethylene copolymer

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