

MOUNTING



APV

Power cable with aluminum core, with polyvinylchloride insulation and polyvinylchloride sheath

APV-LS

The same as APV, but with low gas and smoke polyvinyl chloride insulation.

STANDARD

GOST 6323-79 26445-85
31947-2012

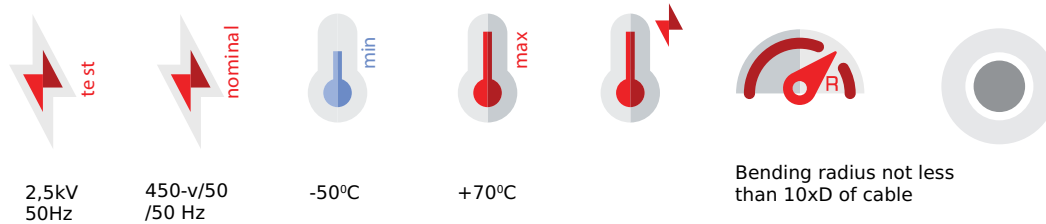
FOREIGN ANALOGUE

АПВ GOST 6323-79 26445-85 31947-2012
N2XSY DIN VDE 0276-620-96

APPLICATION

For lighting and power circuits while stationary laying in electric devices, for inflexible installation in electric devices, machinery, mechanisms and industrial machines for rated voltage up to 450V (for networks 450/750V) frequency up to 400 Hz or permanent voltage 1000V. Is used for laying in empty places of steel pipes and construction structures, where there are not frequent bends of the conductor.

The conductor is flame retardant.



2,5kV
50Hz

450-v/50
/50 Hz

-50°C

+70°C

Bending radius not less
than 10xD of cable



- Installation temperature: not less than -15°C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- The insulation is resistant to cracking: +150°C. Deformation: +70°C.
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

The aluminum cores with section 2,5:16mm² inclusive are produced with one wire of 1 class flexibility, according to standard 22483, 25-240mm² are produced with twisted multi-core wire 2 class flexibility according to standard 22483-77.

Insulation of the conductor is made in different colors

THE CONSTRUCTION LENGTH OF THE CABLE

not less than 100m

PACKING

On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle (coils). An inscription is made on conductor core: JSC Sakcable, cable brand, metric.

SERVICE LIFETIME

not less than 15 years

WARRANTY PERIOD

2 years after entering into service, in the proper installation and working conditions.

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Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminium Weight [kg/km]	Weight [kg/km]
2,5 re	12,1	23	0,8	3,4	34	6,75	12,83
4 re	7,41	31	0,8	3,9	39	10,8	18,18
6 re	5,11	38	0,8	4,4	44	16,2	24,78
10 re	3,08	60	1	5,6	56	27	42,75
16 re	1,91	75	1	6,6	66	43,2	62,38
16 rm	1,91	75	1	6,8	68	43,84	69,68
25 re	1,20	105	1,2	8	80	67,5	97,77
25 rm	1,20	105	1,2	8,5	85	68,52	108,96
35 re	0,868	130	1,2	8,4	84	94,5	127,01
35 rm	0,868	130	1,2	9,8	98	95,92	140,82
50 re	0,641	165	1,4	10,5	105	135	175,07
50 rm	0,641	165	1,4	12	120	137	191,6
70 rm	0,443	210	1,4	13,15	131	189	265,62
95 rm	0,320	250	1,6	16,8	168	256,5	356,11
120 rm	0,253	295	1,6	17,5	175	324	437,26
150 rm	0,206	340	1,8	13,75	138	405	527,97
185 rm	0,164	395	1,8	20,7	207	449,5	653,11
240 rm	0,125	465	1,8	23,6	236	648	851,41



re - Single-core
rm - Multi-core