

MOUNTING



PV-1

Conductor with copper core, with polyvinylchloride insulation

PV-1-LS

The same as PV-1, but with low gas and Smoke polyvinylchloride insulation

STANDARD

GOST 6323-79 26445-85
31947-2012

FOREIGN ANALOGUE

ПВ-1 GOST 6323-79 26445-85
31947-2012 | H05V-U STANDARD DIN VDE 0281-3

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.



- **PV-1** - Fire Retardant in single layer
- **PV-LS** - Fire Retardant in Multi layer



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.
- Conductive lobe for long-term allowable heating temperature +70°C.
- The conductor is resistant to 100% relative air humidity under +35°C.

CONSTRUCTION

The copper cores with section 1.06mm² inclusive are produced with one wire of 1 class flexibility, according to Gost standard 22483-2012, 10-240mm² are produced with twisted multi-core wires 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

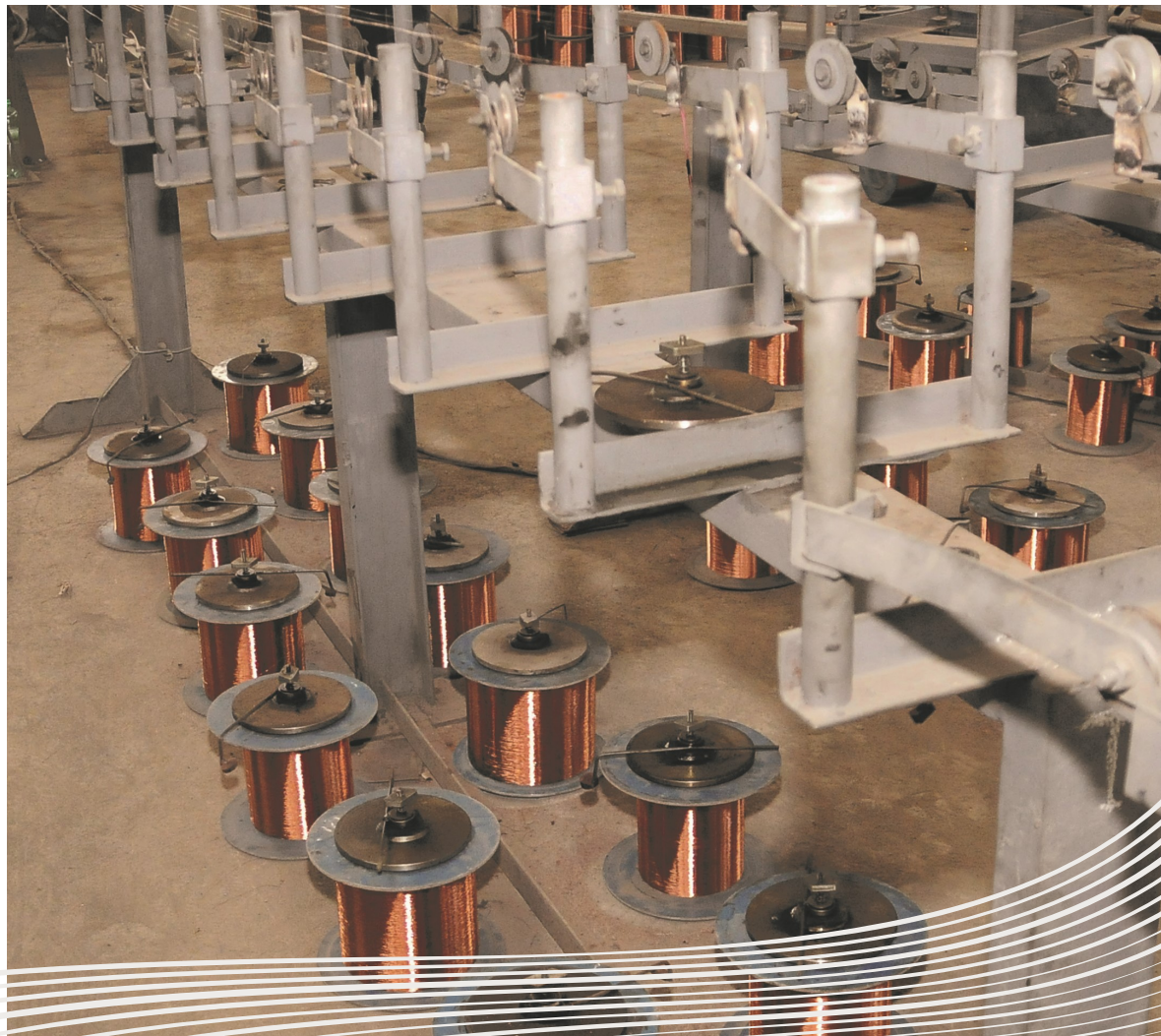
WARRANTY PERIOD

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

PV-1

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Outer diameter [mm]	Bending radius [mm]	სპილენძის წონა არა უმეტეს კგ/კმ	Weight [kg/km]
1.0 re	18,1	17	0,6	2,6	26	8,9	13,25
1.5 re	12,1	22	0,7	2,8	28	13,4	18,24
2.5 re	7,41	30	0,8	3,4	34	22,3	27,48
4.0 re	4,61	39	0,8	3,9	39	35,6	43,02
6.0 re	3,08	50	0,8	4,4	44	53,35	62,11
10.0 rm	1,83	68	1,0	6	60	88,9	109,73
16.0 rm	1,15	89	1,0	6,8	68	142,3	166,68
25.0 rm	0,727	121	1,2	8,5	85	222,25	262,12
35.0 rm	0,524	147	1,2	9,8	98	311,2	352,5
50.0 rm	0,387	179	1,4	12	120	444,5	483,16
70.0 rm	0,268	226	1,4	16,8	168	622,3	684,28
95.0 rm	0,193	280	1,6	17,5	175	844,6	934,55
120.0 rm	0,183	326	1,6	13,75	138	1066,8	1166,73
150.0 rm	0,124	373	1,8	20,7	207	1333,5	1429,91
185.0 rm	0,991	431	1,8	23,6	236	1644,7	1776,39
240.0 rm	0,0754	512	1,8	12	120	2133,6	2325,93

i re - Single-core
rm - Multi-core



Uninsulated

Self-supporting

Mounting

Power

Control