

#### PPV

**Conductor with copper core, with polyvinylchloride insulation, flat, with dividing base**

#### PPV -LS

**The same as PPV , but with low gas and Smoke polyvinylchloride insulation**

#### PPV-3

**The same as PPV, but with flexible copper wire**

#### PPV-3-LS

**The same as PPV-3 , but with low gas and Smoke polyvinylchloride insulation**

#### STANDARD

GOST 6323-79 26445-85  
31947-2012

#### FOREIGN ANALOGUE

ПНВ GOST 6323-79 26445-85  
31947-2012 | NYIFY IEC 60227 / DIN VDE 0250

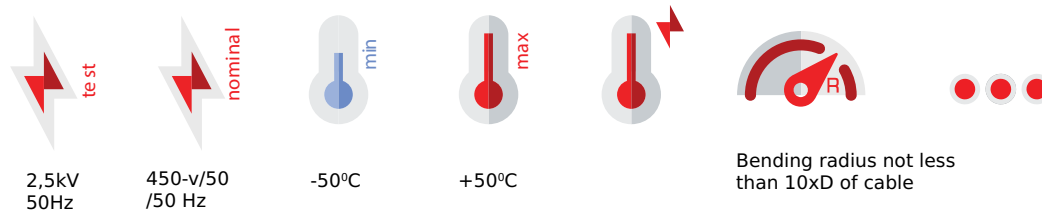


**PPV / PPV-3** - Fire Retardant in single layer

**PPV-LS / PPV-3-LS** Fire Retardant in Multi layer

#### 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.



- 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 aluminum cores with section 1.5-4.0 mm<sup>2</sup> inclusive are produced with PPV-1 and PPV-3 with 3,4 class flexibility, according to the standard 22483-77. Number of cores in the conductor 2,3

#### 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 the cable: 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] | Copper Weight [kg/km] | Weight [kg/km] |
|-----------|-----------------------------|-----------------------|------------------------------|---------------------|---------------------|-----------------------|----------------|
| 2X1.5     | 12,1                        | 24                    | 0,7                          | 3,4                 | 34                  | 26,7                  | 42,83          |
| 2X2.5     | 7,41                        | 33                    | 0,8                          | 3,9                 | 39                  | 44,5                  | 65,83          |
| 2X4.0     | 4,61                        | 44                    | 0,8                          | 4,4                 | 44                  | 71,1                  | 94,62          |
| 3X1.5     | 12,1                        | 21                    | 0,7                          | 3,4                 | 34                  | 40                    | 60,34          |
| 3X2.5     | 7,41                        | 28                    | 0,8                          | 3,9                 | 39                  | 66,7                  | 94,85          |
| 3X4.0     | 4,61                        | 37                    | 0,8                          | 4,4                 | 44                  | 106,7                 | 138,03         |