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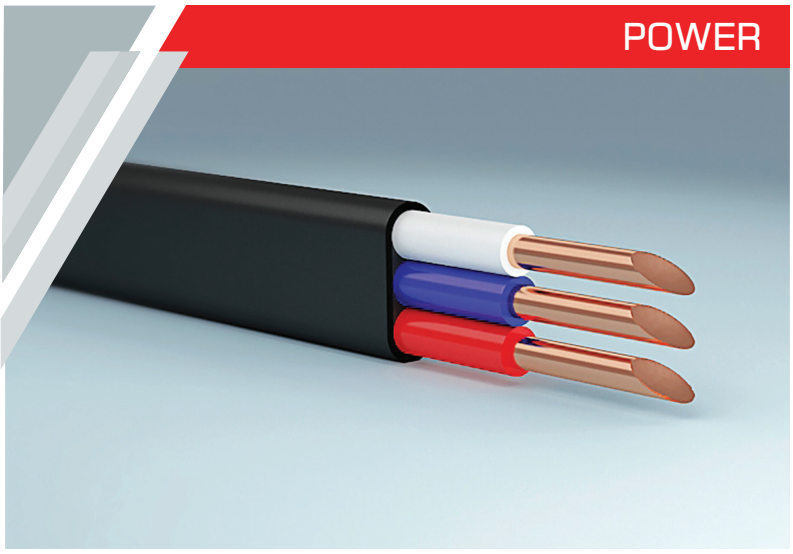
SAKCABLE



VVG-P

Power cable with copper core, polyvinylchloride insulation and polyvinylchloride sheath, flat

VVG-P-FR

The same as VVG-P, but sheath is made with fire retardant polyvinychloride insulation

VVG-P-FR-LS

The same as VVG-P, but with low gas and smoke polyvinychloride insulation.

STANDARD	GOST 16442-80 31996-2012

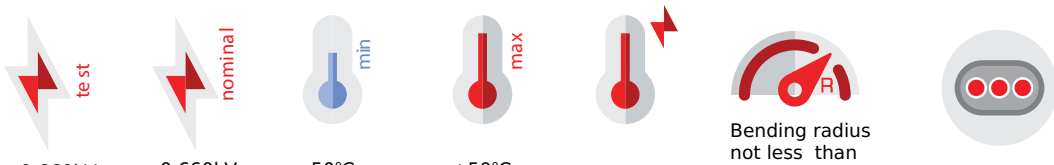
FOREIGN ANALOGUE

ВВГ-П GOST 16442-80 | NYIFY- IEC 60227 / VDE 0250

- **VVG-P** Fire Retardant in single layer
-**VVG-P-HF | VVG-P | -FR-LS** Fire Retardant in Multi layer

APPLICATION

For transmission and distribution of electric power at stationary devices with rated voltage 0,660kV and 1 kV frequency 50Hz. For stretching in the air where there is no danger of mechanical damage of the cable, also for laying into channels without influence of stretching forces. While laying the cables in a single layer, they are flame retardant



0,660kV-3kV 50Hz 1,0kV-3,5kV 50Hz

0,660kV 1kV-50Hz

-50⁰C

+50⁰C

Bending radius not less than 7,5xD cable

- Installation temperature: -15⁰C.
- Conductive lobe for long-term allowable heating temperature +70⁰C
- The conductor is resistant to 98% relative air humidity under +35⁰C conditions
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not be above 160⁰C

CONSTRUCTION

The copper cores with section 2,5-25mm² inclusive are produced of single wire of 1 class flexibility, accorgind to gost standard 22483-77. Number of cores in the cable 2,3.

THE CONSTRUCTION LENGTH OF THE CABLES

in case of supply in bundles the construction length is agreed with the customer.
On wooden drum no less than 450m.
One batch can contain no more than 20% of cable length not less than 50m.

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: “JSC Sakcable” cable brand, manufacture year. Labeling of conductive cores with colors

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

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VVG - P GOST 16442-80 31996 2012

Part Name	Conductor resistance [Ω/km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weght [kg/km]	Weight [kg/km]
2 x 6 re	3,08	56	0,7	1,2	7.30 x 12	55	106,70	195,76
2 x 10 rm	1,83	76	0,9	1,2	8.40 x14.20	62	177,8	296,39
2 x 16 rm	1,15	101	0,9	1,5	9.80 x 16.50	74	284,6	423,3
3 x 6 re	3,08	49	0,7	1,2	7.30 x 16.50	55	160,05	288,61
3 x 10 rm	1,15	66	0,9	1,2	8.40 x 20.40	62	266,70	440,28
2 x 6 +1 x 4 re	3.08/4.61	49	0.7 / 0.7	1,2	7.30 x 15.50	55	142,30	253,36
2 x 10 + 1 x 6 rm	1.83/3.08	66	0.9 / 0.7	1,2	8.40 x17.40	62	231,15	379,99

re - Single-core
rm - Multi-core