

### KVVG

**copper flexible control cable with polyvinylchloride insulation and sheath**

### KVVG-FR

**the same as KVVG , but with flame retardant polyvinylchloride sheath**

### KVVG-FR-LS

**The same as KVVG but with flame retardant low emission of gas and smoke polyvinylchloride insulation and sheath**

#### STANDARD

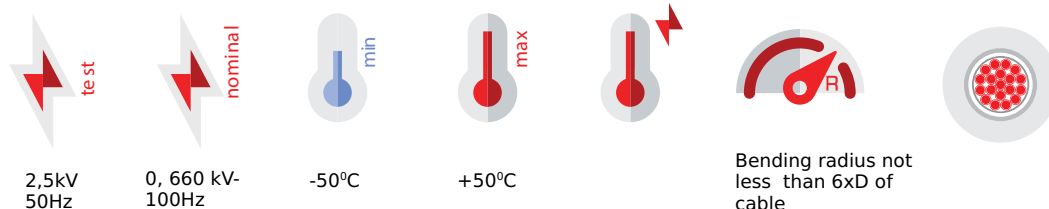
GOST 1508-78

#### FOREIGN ANALOGUE

KBBГ GOST 1508-78 | NYM- Similar DIN VDE 0250-204

#### APPLICATION

For fixed connection on electric appliances, equipment, gathering mounts of electric distribution appliances for rated alternating voltage up to 660V frequency 100Hz, or direct current 1000V. Used for laying in buildings, channels, tunnels if there is no danger of mechanical influence



- Installation temperature: -15°C.
- The conductor is resistant to 98% relative air humidity under +35°C conditions.
- Conductive lobe for long-term allowable heating temperature +70°C.

#### CONSTRUCTION

The structure of conductor core is multi-wire and conforms to 3 and 4 class flexibility according to the standard 22483-77. The section of conductor core is 0.75, 1.0, 1.5, 2.5, 4, 6mm<sup>2</sup>.  
Number of cores in the cable: 0,75-2,5mm<sup>2</sup>-4, 5, 7, 10, 14, 19, 27, 37  
4 and 6mm<sup>2</sup>-4, 7, 10

#### THE CONSTRUCTION LENGTH OF THE CABLES

not less than 150m

#### PACKING

On wooden drum or bundles

#### LABELING

In each bundle by existence of counting pair, which differs in color from other cores. Labeling can be done by means of inscription of separate numbers on insulated cores or distinctive colors of insulation can be used. While numeric labeling the color of figures must be different from the color of the insulation of the core. On the surface of the cover an inscription is made: "JSC Sakcable", cable brand, section and manufacture year

#### SERVICE LIFETIME

not less than 15 years, but in buildings, channels, tunnels 25 years

#### WARRANTY PERIOD

3 years after entering into service, in case of proper installation and exploitation.



- **KG VVG** Fire Retardant in single layer
- **KVVG-FR/KVVG-FR-LS** Fire Retardant in Multi layer

**KVVG GOST 1508-78**

Part Name	Conductor resistance [ $\Omega$ /km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weight [kg/km]	Weight [kg/km]
4X1.5	12,1	28	0,6	1,5	9,15	55	55,2	122,17
5X1.5	12,1	28	0,6	1,5	9,89	59	69	145,33
7X1.5	12,1	28	0,6	1,5	10,65	64	96,6	186,99
10X1.5	12,1	28	0,6	1,5	13,2	79	138	258,61
14X1.5	12,1	28	0,6	1,5	14,25	85	193,2	338,78
19X1.5	12,1	28	0,6	1,5	15,75	95	262,2	440,27
24X1.5	12,1	28	0,6	1,7	18,7	112	331,2	564,48
27X1.5	12,1	28	0,6	1,7	19,08	114	372,7	622,32
37X1.5	12,1	28	0,6	1,7	21,25	128	510,7	821,73
4X2.5	7,41	36	0,6	1,5	10,06	60	91,9	168,37
5X2.5	7,41	36	0,6	1,5	10,91	65	114,8	202,25
7X2.5	7,41	36	0,6	1,5	11,79	71	160,8	264,63
10X2.5	7,41	36	0,6	1,5	14,72	88	229,7	368,78
14X2.5	7,41	36	0,6	1,5	15,92	96	321,6	489,89
19X2.5	7,41	36	0,6	1,5	17,65	106	436,4	642,77
24X2.5	7,41	36	0,6	1,7	20,98	126	551,3	821,56
27X2.5	7,41	36	0,6	1,7	21,42	129	620,2	909,75
37X2.5	7,41	36	0,6	1,9	24,31	146	849,9	1233,45