

KVV 450/750V 6×0.5mm<sup>2</sup> SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

KVVP 450/750V 6×0.5mm<sup>2</sup> SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

### 应用范围

KVV型适用于敷设在室内固定安装、电缆沟、管道等场所；  
KVVP、KVVP<sub>2</sub>型适用于敷设在室内固定安装及有屏蔽要求的场合；  
KVVR型适用于敷设在室内有移动和柔软要求的场合；  
KVVRP型适用于敷设在室内有移动、柔软、屏蔽要求的场合；  
KVV<sub>22</sub>型适用于室内固定敷设直埋等能承受较大机械外力的场合。

### 电线结构

单根、多股裸绞铜丝或镀锡铜丝导体，PVC绝缘、护套；  
无纺布绕包(KVV型)，编织屏蔽(KVVP型)，铜带屏蔽(KVVP<sub>2</sub>型)，  
钢带铠装(KVV<sub>22</sub>型)。  
多股细裸束铜丝或镀锡铜丝导体，PVC绝缘、护套；  
无纺布绕包(KVVR型)，编织屏蔽(KVVRP型)。

### 技术参数

- ☐ 温度范围：固定安装 -15℃ ~ +70℃
- ☐ 额定电压：U<sub>0</sub>/U 450/750V
- ☐ 符合标准：GB 9330-88
- ☐ 导体标准：GB/T 3956-1997
- ☐ 弯曲半径：固定安装大于6×电线外径  
(KVV、KVVP、KVVR、KVVRP型)  
固定安装大于12×电线外径  
(KVVP<sub>2</sub>、KVV<sub>22</sub>型)

### APPLICATIONS

**KVV**: for indoor fixed wiring and wiring in cable trench and duct.  
**KVVP, KVVP<sub>2</sub>**: for indoor fixed wiring and where there requires shielding demand.  
**KVVR**: for indoor movable and flexible wiring.  
**KVVRP**: for indoor movable, flexible and shielded wiring.  
**KVV<sub>22</sub>**: for indoor underground fixed wiring where the cable will bear strong mechanical force.

### WIRE MAKE-UP

Single multi-stranded fine bare copper/tincopper conductor, PVC insulation and sheath; non-woven fabric wormings (KVV), mesh shield (KVVP), copper band shield (KVVP<sub>2</sub>); steel tape armour (KVV<sub>22</sub>); Multi-stranded fine bare copper/tincopper conductor, PVC insulation and sheath, non-woven fabric wormings, mesh shield (KVVRP)

### TECHNICAL DATA

- ☐ Operating Temp.: -15℃ ~ +70℃ for fixed wiring
- ☐ Rated Voltage: U<sub>0</sub>/U 450/750V
- ☐ Governing Standards: GB 9330-88
- ☐ Conductor Standards: GB/T 3956-1997
- ☐ Bending Radius: for fixed wiring  
more than 6× wire O.D. (KVV、KVVP、KVVR、KVVRP)  
more than 12× wire O.D. (KVVP<sub>2</sub>、KVV<sub>22</sub>)

### 规格范围 Specifications

型号 Modless	导体标称截面 Conductor Nominal Sectional Area (mm <sup>2</sup> )							
	0.5	0.75	1.0	1.5	2.5	4	6	10
	芯数 Core Number							
KVV、KVVP			2~61				2~14	2~10
KVVP <sub>2</sub>			4~61				4~14	4~10
KVV <sub>22</sub>			7~61		4~61		4~14	4~10
KVVR			4~61				—	—
KVVRP		4~61			4~48		—	—

### 导体结构 Conductor Structure

标称截面 Nominal Section (mm <sup>2</sup> )	导体结构 Conductor Structure				标称截面 Nominal Section (mm <sup>2</sup> )	导体结构 Conductor Structure			
	种类 Class	根数/单根直径 Cond. No/O.D.,mm	20℃时导体直流电阻≤(Ω/Km) DC R of Conductor@20℃			种类 Class	根数/单根直径 Cond. No/O.D.,mm	20℃时导体直流电阻≤(Ω/Km) DC R of Conductor@20℃	
			不镀锡 Non-tinned	镀锡 Tinned				不镀锡 Non-tinned	镀锡 Tinned
0.5	3	16/0.20	39.0	40.1	1.5	3	30/0.25	13.3	13.7
0.75	1	1/0.97	24.5	24.8	2.5	1	1/1.78	7.41	7.56
0.75	2	7/0.37	24.5	24.8	2.5	2	7/0.68	7.41	7.56
0.75	3	24/0.20	26.0	26.7	2.5	3	50/0.25	7.98	8.21
1.0	1	1/1.13	18.1	18.2	4	1	1/2.25	4.61	4.70
1.0	2	7/0.43	18.1	18.2	4	2	7/0.85	4.61	4.70
1.0	3	32/0.20	19.5	20.0	6	1	1/2.76	3.08	3.11
1.5	1	1/1.38	12.1	12.2	6	2	7/1.04	3.08	3.11
1.5	2	7/0.52	12.1	12.2	10	2	7/1.35	1.83	1.84

KVV、KVVP、KVVP<sub>2</sub>、KVV<sub>22</sub>、KVVR、KVVRP型  
铜芯聚氯乙烯绝缘及护套控制电缆

KVV、KVVP、KVVP<sub>2</sub>、KVV<sub>22</sub>、KVVR、KVVRP Control Cable, Copper-cored PVC-insulated and sheathed



控制电缆系列 CONTROL CABLES

(续-I)

芯数 × 标称截面mm <sup>2</sup> Core No. × Nominal Section, mm <sup>2</sup>	电缆计算外径 Calculated Cable O.D., mm						电缆计算重量 Calculated Cable Weight, kg/km					
	KVV	KVVP	KVVP <sub>2</sub>	KVV <sub>22</sub>	KVVR	KVVRP	KVV	KVVP	KVVP <sub>2</sub>	KVV <sub>22</sub>	KVVR	KVVRP
2×0.5					7.9	9.0					55.0	65.0
2×0.75	8.4	9.8			8.4	9.5	66.2	86.7			65.6	80.0
2×1	8.8	10.5			8.7	10.0	74.9	96.7			73.4	95.0
2×1.5	10.0	11.5			9.6	11.0	95.7	121			93.0	120
2×2.5	11.5	12.5			11.0	12.5	132	162			129	165
2×4	12.5	14.5					170	205				
2×6	14.0	16.0					221	273				
2×10	17.5	19.0					362	427				
3×0.5					8.3	9.5					66.8	100
3×0.75	8.8	10.5			8.7	10.0	80.6	102			81.4	110
3×1	9.2	10.5			9.1	10.5	92.3	116			92.5	125
3×1.5	10.5	12.0			10.0	11.5	121	148			119	140
3×2.5	12.0	13.5			11.6	13.0	171	204			169	200
3×4	13.5	15.5					226	262				
3×6	15.0	17.0					319	374				
3×10	18.5	20.0					491	560				
4×0.5					9.0	10.5					81.2	104
4×0.75	9.6	11.0	10.0		9.4	11.0	97.7	122	120		100	125
4×1	10.0	11.5	10.5		10.0	11.5	113	139	165		116	143
4×1.5	11.5	12.5	11.5		11.5	12.5	148	177	207		148	179
4×2.5	13.0	15.0	14.0	17.0	13.0	15.0	213	249	285	280	216	254
4×4	15.0	16.5	15.0	18.5			305	360	415	360		
4×6	16.5	18.0	16.0	19.0			403	463	523	467		
4×10	20.0	22.0	21.5	25.0			662	739	817	715		
5×0.5					9.6	11.0					93.1	118
5×0.75	10.5	11.5	11.0		10.5	11.5	114	140	150		117	144
5×1	11.0	12.0	11.0		11.0	12.0	133	161	189		136	165
5×1.5	12.5	13.5	12.5		12.0	13.5	175	208	241		175	209
5×2.5	14.5	16.5	15.0	18.0	14.5	16.0	272	326	380	335	279	336
5×4	16.5	18.0	16.0	19.5			366	427	487	428		
5×6	18.0	19.5	17.5	21.5			486	554	622	555		
5×10	22.5	24.0	23.5	26.5			762	848	934	858		
7×0.5					10.5	11.5					100	128
7×0.75	11.0	12.5	11.5	15.5	11.0	12.5	142	171	180	160	146	176
7×1	11.5	13.0	12.0	16.0	11.5	13.0	167	198	220	200	172	204
7×1.5	13.5	15.0	14.0	17.5	13.0	15.0	224	260	270	260	225	262
7×2.5	16.0	17.5	16.0	19.0	16.0	17.5	354	413	440	420	360	422
7×4	17.5	19.0	17.5	20.5			478	545	580	560		
7×6	19.5	21.0	19.0	22.5			642	718	740	660		
7×10	24.0	26.0	25.0	28.5			1041	1136	1240	1110		
8×0.5					11.5	13.0					128	157
8×0.75	12.0	13.5	12.5	16.5	12.0	13.5	159	214	210	180	164	196
8×1	13.0	15.0	13.5	17.0	13.0	15.0	188	246	250	220	193	228
8×1.5	15.5	17.0	15.5	18.5	15.0	17.0	272	340	370	330	273	328
8×2.5	17.5	19.0	17.5	21.0	17.5	19.0	400	479	520	460	680	748
8×4	19.5	21.5	19.0	23.0			541	628	700	630		
8×6	22.0	24.0	21.0	24.5			747	847	910	810		
8×10	27.0	29.0	28.0	31.5			1181	1333	1380	1240		
10×0.5					12.5	14.5					156	192
10×0.75	13.5	16.0	14.5	18.0	13.5	15.5	195	258	260	230	201	254
10×1	15.0	16.5	15.0	18.5	15.0	16.5	251	321	340	300	258	315
10×1.5	17.0	18.5	17.0	20.5	17.0	18.5	335	414	440	390	336	401
10×2.5	19.5	21.5	19.5	23.0	19.5	21.0	494	586	590	530	838	920
10×4	22.5	24.0	21.5	25.0			690	821	810	730		
10×6	25.5	27.0	23.5	27.0			927	1072	1060	950		
10×10	30.5	32.5	31.5	35.0			1468	1647	1690	1520		
12×0.5					13.0	15.0					175	211
12×0.75	14.5	16.0	14.5	18.0	14.5	16.0	240	293	300	270	228	282
12×1	15.5	17.0	15.5	19.0	15.5	17.0	284	340	380	340	291	350
12×1.5	17.5	19.0	17.5	20.5	17.5	19.0	381	447	490	440	383	450
12×2.5	20.5	22.5	20.5	23.5	20.5	22.5	568	648	650	580	576	661

**(续-II)**

芯数 × 标称截面mm <sup>2</sup> Core No. × Nominal Section, mm <sup>2</sup>	电缆计算外径 Calculated Cable O.D., mm						电缆计算重量 Calculated Cable Weight, kg/km					
	KVV	KVVP	KVVP <sub>2</sub>	KVV <sub>22</sub>	KVVR	KVVRP	KVV	KVVP	KVVP <sub>2</sub>	KVV <sub>22</sub>	KVVR	KVVRP
14 × 0.5					13.5	16.0					197	249
14 × 0.75	15.0	17.0	15.5	18.5	15.0	16.5	271	326	370	330	278	336
14 × 1	16.0	17.5	16.0	19.5	16.0	17.5	320	380	410	370	329	391
14 × 1.5	18.5	20.0	18.0	22.0	18.0	20.0	434	504	530	480	435	506
14 × 2.5	21.5	23.5	21.0	24.5	21.0	23.0	649	734	760	680	658	747
14 × 4	24.5	26.0	23.5	26.5			912	1008	1030	920		
14 × 6	27.0	29.0	25.5	29.0			1236	1372	1380	1240		
16 × 0.5					15.0	16.5					239	294
16 × 0.75	16.0	17.5	16.0	19.5	16.0	17.5	301	360	390	350	310	371
16 × 1	17.0	18.5	16.5	20.0	17.0	18.5	358	421	450	400	367	433
16 × 1.5	19.5	21.0	19.0	22.5	19.0	20.5	485	559	580	520	487	562
16 × 2.5	23.0	24.0	22.0	25.5	23.0	24.5	751	841	860	770	761	856
19 × 0.5					15.5	17.0					271	329
19 × 0.75	16.5	18.0	16.5	20.0	16.5	18.0	343	406	430	380	353	418
19 × 1	17.5	19.0	17.5	21.5	17.5	19.0	410	476	490	440	420	490
19 × 1.5	20.5	22.5	20.0	23.5	20.0	22.0	558	637	650	580	562	641
19 × 2.5	24.0	25.5	23.0	26.5	24.0	25.5	868	964	980	880	885	985
24 × 0.5					18.0	19.5					334	403
24 × 0.75	19.0	20.5	19.0	22.5	19.0	20.5	426	499	520	470	438	514
24 × 1	20.5	22.0	20.5	23.5	20.0	22.0	509	588	600	540	522	605
24 × 1.5	24.0	25.5	23.0	26.5	23.5	25.0	718	811	800	720	724	818
24 × 2.5	28.0	29.5	26.5	30.0	27.5	29.5	1084	1227	1210	1090	1039	1189
27 × 0.5					18.0	19.5					362	432
27 × 0.75	19.5	21.0	19.0	23.0	19.5	21.0	465	540	560	500	477	556
27 × 1	20.5	22.5	20.5	24.0	20.5	22.5	557	638	650	580	571	656
27 × 1.5	24.5	26.0	23.5	27.0	24.0	25.5	786	882	910	820	791	887
27 × 2.5	28.5	30.5	27.0	30.5	28.5	30.0	1195	1341	1290	1160	1210	1363
30 × 0.5					18.5	20.5					394	467
30 × 0.75	20.0	22.0	20.0	23.5	20.0	22.0	507	586	600	540	521	603
30 × 1	22.0	23.5	21.5	24.5	21.5	23.5	629	713	750	670	645	733
30 × 1.5	25.0	27.0	24.0	27.5	25.0	27.0	861	960	990	890	866	966
30 × 2.5	29.5	31.5	28.0	31.5	29.5	31.0	1313	1464	1430	1280	1328	1488
37 × 0.5					20.0	22.0					468	547
37 × 0.75	22.0	23.5	21.5	25.0	21.5	23.5	625	710	740	660	644	733
37 × 1	23.5	25.0	22.5	26.0	23.5	25.0	751	842	830	740	772	868
37 × 1.5	27.0	29.0	26.0	29.5	27.0	28.5	1034	1169	1170	1050	1042	1179
37 × 2.5	31.5	34.0	30.0	35.0	31.5	34.0	1585	1750	1800	1620	1604	1778