

ZR-BV 300/500V 0.5mm² SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

ZR-BV 450/750V 1.5mm² SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

应用范围

适用于交流300/500V直流700V及以下(0.5~1mm²)或交流450/750V直流1000V及以下(1.5~400mm²)有阻燃要求的电器开关、仪器仪表、动力和照明等各部件的固定连接。

电线结构

单根、多股裸绞铜丝或镀锡铜丝导体；
阻燃型(氧指数>30)PVC绝缘。

技术参数

- ① 温度范围：固定安装 -15℃ ~ +70℃
- ② 额定电压：U₀/U 300/500V、450/750V
- ③ 符合标准：企标
- ④ 导体标准：GB/T 3956-1997 第1、2种
- ⑤ 弯曲半径：大于4×电线外径(电线外径<25mm)
大于6×电线外径(电线外径≥25mm)

APPLICATIONS

For fixed wiring of various flame-resistant electric switches, instruments/gauges, telecommunication equipment, power and lighting parts at/below AC 300/500V / DC 700V (0.5-1mm²) or AC 450/750V / DC 1000V (1.5-400mm²).

WIRE MAKE-UP

Bare copper/tinned copper stranded single conductor
Flame-resistant (OI>30) PVC insulation

TECHNICAL DATA

- ① Operating Temp.: -15℃ ~ +70℃ for fixed wiring
- ② Rated Voltage: U₀/U300/300V, 450/750V
- ③ Governing Standards: enterprise standards
- ④ Conductor Standards: Category 1, 2 in GB/T 3956-1997
- ⑤ Bending Radius: more than 4× wire O.D. (O.D. <25mm)
more than 6× wire O.D. (O.D. ≥25mm)

导体截面 Cross Section mm ²	导体结构 根数/单根直径 Conductor Structure Cond. No./O.D	标称外径 Nominal O.D. mm	最大外径 Max O.D. mm	重量(近似) Approx. Weight Kg/Km	导体20℃时 最大电阻 Max. Cond. R@20℃ ≤ (Ω/Km)	环境温度 30℃架空时 参考载流量(A) Ambient (aerial cable)
0.5	1/0.80	2.00	2.30	8.6	36.0	12
0.75	1/0.97	2.17	2.50	11.2	24.5	15
0.75	7/0.37(老型号ZR-BVR)	2.31	2.60	12.2	24.5	15
1	1/1.13	2.33	2.70	14.1	18.1	18
1	7/0.43(老型号ZR-BVR)	2.49	2.80	16.2	18.1	18
1.5	1/1.38	2.78	3.20	20.6	12.1	23
1.5	7/0.52(老型号ZR-BVR)	2.96	3.30	22.1	12.1	23
2.5	1/1.78	3.38	3.90	32.6	7.41	31
2.5	7/0.68	3.64	4.00	35.6	7.41	31
4	1/2.25	3.85	4.40	47.9	4.61	42
4	7/0.85	4.15	4.60	51.2	4.61	42
6	1/2.76	4.36	5.00	68.2	3.08	54
6	7/1.04	4.72	5.20	72.5	3.08	54
10	1/3.58	5.58	6.40	114	1.83	78
10	7/1.35	6.05	6.70	121	1.83	78
16	7/1.70	7.10	7.80	182	1.15	105
25	7/2.14	8.82	9.70	286	0.727	140
35	7/2.52	9.96	10.9	387	0.524	175
50	19/1.78	11.70	12.8	518	0.387	225
70	19/2.14	13.50	14.6	730	0.268	275
95	19/2.52	15.80	17.1	1009	0.193	340
120	37/2.03	17.41	18.8	1252	0.153	365
150	37/2.25	19.35	20.9	1540	0.124	425
185	37/2.52	21.64	23.3	1930	0.0991	490
240	61/2.25	24.65	26.6	2538	0.0754	595
300	61/2.52	27.48	29.6	3176	0.0601	685
400	61/2.85	30.85	33.2	4046	0.047	820

▲ 载流量是周围温度设定在30℃时的计算值。电线芯数、周围温度、布线状况等条件改变时应乘以系数。(见附录)

▲ Current-carrying capacity is the calculated value based on a ambient temperature of 30℃ and is to be multiplied by a factor when application conditions including number of cores, ambient temperature and wiring condition are changed. (see Appendix)