

BVN型 铜芯导体温度为70℃聚氯乙烯绝缘尼龙护套电线
 BVN-90型 铜芯导体温度为90℃聚氯乙烯绝缘尼龙护套电线
 BVN Copper core (70℃ resistant) PVC-insulated nylon-sheathed wire
 BVN-90 Copper core (90℃ resistant) PVC-insulated nylon-sheathed wire



固定布线用电线电缆系列 WIRES & CABLES FOR FIXED WIRING



应用范围

适用交流300/500V直流700V及以下或交流450/750V直流1000V及以下，一般或要求耐热的电器开关、仪器仪表、建筑装潢、动力和照明等固定布线。

APPLICATIONS

For fixed wiring of various general-use or heat resistant electric switches, instruments/gauges, building decoration, railway, power and lighting parts at/below voltage 300/500VAC/700VDC and 450/750VAC/1000VDC;

电线结构

单根、多股裸绞铜丝或镀锡铜丝导体；
 PVC/C型绝缘(BVN),PVC/E型绝缘(BVN-90),尼龙护套。

WIRE MAKE-UP

Bare copper/tinned copper stranded single conductor;
 PVC/C insulation (BVN), PVC/E insulation(BVN-90), nylon sheath

技术参数

- ① 温度范围：固定安装
 -15℃ ~ +70℃(BVN)、-15℃ ~ +90℃(BVN-90)
- ② 额定电压：U₀/U 300/500V,450/750V
- ③ 符合标准：JB/T 10261-2001
- 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

TECHNICAL DATA

- ① Operating Temp.: -15℃ ~ +70℃(BVN) or
 -15℃ ~ +90℃(BVN-90) for fixed wiring
- ② Rated Voltage: U₀/U 300/500V,450/750V
- ③ Governing Standards: JB/T 10261-2001
- ④ Conductor Standards: Category 1, 2 in GB/T 3956-1997
- ⑤ Bending Radius: more than 4× wire O.D.

导体截面 Cross Section 芯数 × mm ² Core. No. × mm ²	导体结构 Conductor Structure 芯数 × 根数/单根直径 Core. No. × 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) BVN BVN-105	
BVN 300/500V、BVN-90 300/500V							
0.5	1/0.80	1.90	2.2	8.1	36.0	12	16
0.75	1/0.97	2.07	2.4	10.7	24.5	15	21
0.75	7/0.37	2.11	2.5	11.3	24.5	15	21
1	1/1.13	2.23	2.6	13.5	18.1	18	25
1	7/0.43	2.39	2.7	14.7	18.1	18	25
BVN 450/750V、BVN-90 450/750V							
1.5	1/1.38	2.48	2.9	18.7	12.1	23	32
1.5	7/0.52	2.66	3.0	19.9	12.1	23	32
2.5	1/1.78	2.88	3.3	28.9	7.41	31	44
2.5	7/0.68	3.14	3.4	31.5	7.41	31	44
4	1/2.25	3.35	3.8	43.8	4.61	42	59
4	7/0.85	3.65	4.0	46.8	4.61	42	59
6	1/2.76	4.06	4.7	65.6	3.08	54	75
6	7/1.04	4.42	4.9	69.7	3.08	54	75
10	1/3.58	5.38	6.2	112	1.83	78	101
10	7/1.35	5.85	6.5	119	1.83	78	101
16	7/1.70	7.10	7.8	184	1.15	105	137
25	7/2.14	8.88	9.9	290	0.727	140	182
35	7/2.52	10.02	11.0	391	0.524	175	228

▲ 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)