

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

ZR-BVR 450/750V 2.5mm<sup>2</sup> SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

应用范围

适用于交流450/750V或直流1000V及以下有阻燃要求的电器开关、仪器仪表、电信设备、动力和照明等内部各部件的固定布线。

APPLICATIONS

For fixed wiring of various flame-resistant electric switches, instruments/gauges, telecommunication equipment, power and lighting parts at/below AC 450/750V / DC 1000V.

电线结构

多股裸绞铜丝或镀锡铜丝导体;  
阻燃型(氧指数>30)PVC绝缘。

WIRE MAKE-UP

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

技术参数

- ① 温度范围: 固定安装 -15℃ ~ +70℃
- ② 额定电压: U<sub>0</sub>/U 450/750V
- ③ 符合标准: 企标
- ④ 导体标准: GB/T 3956-1997 第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)

TECHNICAL DATA

- ① Operating Temp.: -15℃ ~ +70℃ for fixed wiring
- ② Rated Voltage: U<sub>0</sub>/U 450/750V
- ③ Governing Standards: enterprise standards
- ④ Conductor Standards: Category 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<br>Cross Section<br>mm <sup>2</sup> | 导体结构<br>根数/单根直径<br>Conductor Structure<br>Cond. No./O.D | 标称外径<br>Nominal O.D.<br>mm | 最大外径<br>Max O.D.<br>mm | 重量(近似)<br>Approx. Weight<br>Kg/Km | 导体20℃时<br>最大电阻<br>Max. Cond. R@20℃<br>≤ ( Ω/Km ) | 环境温度<br>30℃架空时<br>参考载流量(A)<br>Ambient @30℃<br>Ampacity (aerial cable) |
|--|---|----------------------------|------------------------|-----------------------------------|--|---|
| 2.5                                      | 19/0.41   | 3.65                       | 4.10                   | 35.7                              | 7.41   | 31  |
| 4  | 19/0.52   | 4.20                       | 4.80                   | 51.6                              | 4.61   | 42  |
| 6  | 19/0.64   | 4.80                       | 5.30                   | 71.5                              | 3.08   | 54  |
| 10                                       | 49/0.52   | 6.68                       | 6.80                   | 130                               | 1.83   | 78  |
| 16                                       | 49/0.64   | 7.76                       | 8.10                   | 187                               | 1.15   | 105   |
| 25                                       | 98/0.58   | 9.65                       | 10.2                   | 301                               | 0.727  | 140   |
| 35                                       | 133/0.58  | 11.10                      | 11.7                   | 398                               | 0.524  | 175   |
| 50                                       | 133/0.68  | 13.00                      | 13.9                   | 847                               | 0.387  | 225   |
| 70                                       | 189/0.68  | 15.35                      | 16.0                   | 763                               | 0.268  | 275   |
| 95                                       | 259/0.68  | 16.66                      | 19.0                   | 1038                              | 0.193  | 340   |
| 120                                      | 361/0.65  | 18.46                      | 21.0                   | 1289                              | 0.153  | 365   |
| 150                                      | 361/0.72  | 20.50                      | 23.0                   | 1584                              | 0.124  | 425   |
| 185                                      | 427/0.74  | 24.50                      | 26.6                   | 1951                              | 0.0991   | 490   |
| 240                                      | 427/0.84  | 27.00                      | 30.2                   | 2491                              | 0.0754   | 595   |

▲ 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)