

Z-RYJ-150 450/750V 1.5mm² SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

WDZ-RYJ-150 450/750V 1.5mm² SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

应用范围

适用于电力设备和电子电器的内部连接；
 它以阻燃特性分成含卤阻燃和无卤低烟阻燃。

APPLICATIONS

For internal wiring of electric equipment and electronic devices.
 Depending on flame retardance, it can be classified into halogenous type or halogen-free low smoke type.

电线结构

单根、多股裸束绞铜丝或镀锡铜丝导体；
 阻燃交联聚烯烃绝缘；
 (Z-BYJ-125、150, Z-RYJ-125、150)
 无卤低烟阻燃交联聚烯烃绝缘；
 (WDZ-BYJ-125、150, WDZ-RYJ-125、150)

WIRE MAKE-UP

Multi-stranded fine bare copper/tincopper single conductor
 Flame-retardant crosslinked polyolefine insulation
 (Z-BYJ-125, 150; Z-RYJ-125, 150);

Low-smoke halogen-free flame-retardant crosslinked polyolefine insulation
 (WDZ-BYJ-125, 150; WDZ-RYJ-125, 150)

技术参数

- 温度范围: 125℃、150℃
- 额定电压: U₀/U 450/750V
- 符合标准: JB/T 10494-2004
- 导体标准: GB/T 3956-1997 第1、2、5种

TECHNICAL DATA

- Operating Temp.: 125℃, 150℃
- Rated Voltage: U₀/U 450/750V
- Governing Std.: JB/T 10494-2004
- Conductor Std.: Category 1, 2, 5 in GB/T 3956-1997

| 导体截面 Cross Section mm ² | 导体结构 Conductor Structure 根数/单根直径 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) Ampacity@30℃ Ambient (aerial cable) |
|--|---|----------------------------|------------------------|-----------------------------------|--|--|
| (Z-BYJ-125、Z-BYJ-150阻燃型) 450/750V (WDZ-BYJ-125、WDZ-BYJ-150无卤低烟阻燃型) 450/750V | | | | | | |
| 0.5 | 1/0.80 | 2.00 | 2.6 | 9.5 | 36.0 | 12 |
| 0.5 | 7/0.30 | 2.10 | 2.7 | 9.7 | 36.0 | 12 |
| 0.75 | 1/0.98 | 2.20 | 2.7 | 12.4 | 24.5 | 15 |
| 0.75 | 7/0.37 | 2.40 | 2.8 | 12.8 | 24.5 | 15 |
| 1 | 1/1.13 | 2.60 | 2.9 | 16.7 | 18.1 | 18 |
| 1 | 7/0.43 | 2.70 | 3.1 | 17.3 | 18.1 | 18 |
| 1.5 | 1/1.38 | 2.80 | 3.3 | 22.2 | 12.1 | 23 |
| 1.5 | 7/0.52 | 3.00 | 3.4 | 24.3 | 12.1 | 23 |
| 2.5 | 1/1.78 | 3.40 | 3.9 | 33.6 | 7.41 | 31 |
| 2.5 | 7/0.68 | 3.70 | 4.2 | 35.5 | 7.41 | 31 |
| 4 | 1/2.25 | 3.90 | 4.4 | 49.5 | 4.61 | 42 |
| 4 | 7/0.85 | 4.20 | 4.8 | 50.5 | 4.61 | 42 |
| 6 | 1/2.76 | 4.40 | 4.9 | 70.5 | 3.08 | 54 |
| 6 | 7/1.04 | 4.80 | 5.4 | 71.3 | 3.08 | 54 |
| 10 | 7/1.35 | 6.10 | 6.8 | 116 | 1.83 | 75 |
| 16 | 7/1.70 | 7.10 | 8.0 | 177 | 1.15 | 102 |
| 25 | 7/2.14 | 8.80 | 9.8 | 278 | 0.727 | 135 |
| 35 | 7/2.52 | 10.00 | 11.0 | 373 | 0.524 | 166 |
| 50 | 19/1.83 | 12.00 | 13.0 | 540 | 0.378 | 211 |
| 70 | 19/2.14 | 13.70 | 15.0 | 709 | 0.268 | 260 |
| 95 | 19/2.52 | 15.90 | 17.0 | 979 | 0.193 | 315 |

Z-BYJ、Z-RYJ型系列 耐热125℃、150℃阻燃交联聚烯烃绝缘电缆
 WDZ-BYJ、WDZ-RYJ型系列 耐热125℃、150℃无卤低烟阻燃交联聚烯烃绝缘电缆
 Z-BYJ, Z-RYJ 125℃/150℃ Heat resistant Crosslinked polyolefine-insulated Cable
 WDZ-BYJ, WDZ-RYJ 125℃/150℃ Halogen-free, low-smoke, flame-retardant crosslinked polyolefine insulated cable



无卤低烟、耐火耐高温电线电缆系列 FIRE AND HIGH TEMPERATURE RESISTANT HALOGEN-FREE LOW-SMOKE WIRES & CABLES

(续)

| 导体截面 Cross Section mm ² | 导体结构 Conductor Structure 根数/单根直径 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) Ampacity@30℃ Ambient (aerial cable) |
|--|---|----------------------------|------------------------|-----------------------------------|--|--|
| 120 | 37/2.03 | 18.00 | 19.0 | 1219 | 0.153 | 354 |
| 150 | 37/2.25 | 20.00 | 21.0 | 1500 | 0.124 | 408 |
| 185 | 37/2.52 | 22.00 | 23.5 | 1880 | 0.0991 | 469 |
| 240 | 61/2.25 | 25.00 | 26.5 | 2456 | 0.0754 | 530 |

(Z-RYJ-125、Z-RYJ-150阻燃型) 450/750V
 (WDZ-RYJ-125、WDZ-RYJ-150无卤低烟阻燃型) 450/750V

| | | | | | | |
|------|-----------|-------|------|------|--------|-----|
| 0.5 | 16/0.20 | 2.14 | 2.6 | 9.9 | 39.0 | 12 |
| 0.75 | 24/0.20 | 2.40 | 2.8 | 13.6 | 26.0 | 15 |
| 1 | 32/0.20 | 2.74 | 3.0 | 17.3 | 19.5 | 18 |
| 1.5 | 30/0.25 | 3.00 | 3.4 | 22.5 | 13.3 | 23 |
| 2.5 | 50/0.25 | 3.70 | 4.0 | 35.4 | 7.98 | 31 |
| 4 | 56/0.30 | 4.30 | 5.0 | 51.6 | 4.95 | 42 |
| 6 | 84/0.30 | 4.94 | 5.8 | 73.4 | 3.30 | 54 |
| 10 | 80/0.40 | 6.44 | 6.9 | 126 | 1.91 | 75 |
| 16 | 126/0.40 | 7.60 | 8.5 | 175 | 1.21 | 102 |
| 25 | 200/0.40 | 9.50 | 10.4 | 278 | 0.780 | 135 |
| 35 | 280/0.40 | 11.00 | 11.8 | 381 | 0.554 | 166 |
| 50 | 400/0.40 | 12.70 | 14.0 | 537 | 0.386 | 211 |
| 70 | 558/0.40 | 14.80 | 16.2 | 740 | 0.272 | 260 |
| 95 | 485/0.50 | 17.00 | 18.6 | 978 | 0.206 | 315 |
| 120 | 614/0.50 | 18.70 | 20.5 | 1228 | 0.161 | 354 |
| 150 | 765/0.50 | 21.00 | 22.5 | 1564 | 0.129 | 408 |
| 185 | 944/0.50 | 23.70 | 25.0 | 1940 | 0.106 | 469 |
| 240 | 1225/0.50 | 26.10 | 28.4 | 2448 | 0.0801 | 530 |

▲ 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)