

表面印字: AWM 3321 150℃ 600V 24AWG SHHKW

应用范围

适用于电器设备内部连接线;
电子用途时电压峰值可至2500V。

APPLICATIONS

Suitable for internal wiring of electric appliances,
peak withstand voltage 2500V for electronic application

电线结构

单根、多股束绞裸铜丝或镀锡铜丝导体;
交联聚烯烃绝缘。

WIRE MAKE-UP

Multi-stranded bare copper/tincopper single conductor
Crosslinked polyethylene insulation

技术参数

☒ 温度范围: 150℃
☒ 额定电压: 600V
☒ 符合标准: UL 758、1581

TECHNICAL DATA

☒ Operating Temp.: 150℃
☒ Rated Voltage: 600V
☒ Governing Std.: UL 758, 1581

| 规格 Size AWG | 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) |
|-------------------|---|----------------------------|------------------------|-----------------------------------|--|--|
| 30 | 1/0.254 | 1.90 | 2.1 | 4.5 | 347 | |
| 30 | 7/0.10 | 1.94 | 2.1 | 4.7 | 350 | |
| 28 | 1/0.32 | 1.96 | 2.2 | 5.0 | 218 | |
| 28 | 7/0.127 | 2.02 | 2.2 | 5.4 | 232 | |
| 26 | 1/0.404 | 2.05 | 2.3 | 5.8 | 138 | |
| 26 | 7/0.16 | 2.12 | 2.3 | 6.3 | 146 | |
| 24 | 1/0.511 | 2.15 | 2.4 | 6.9 | 85.9 | 5 |
| 24 | 7/0.203 | 2.25 | 2.5 | 7.6 | 89.2 | 5 |
| 24 | 11/0.16 | 2.28 | 2.5 | 7.7 | 89.2 | 5 |
| 22 | 1/0.643 | 2.28 | 2.5 | 8.4 | 54.3 | 7 |
| 22 | 7/0.254 | 2.40 | 2.6 | 9.5 | 54.8 | 7 |
| 22 | 17/0.16 | 2.40 | 2.6 | 9.3 | 54.8 | 7 |
| 20 | 1/0.813 | 2.45 | 2.7 | 10.8 | 33.9 | 12 |
| 20 | 26/0.16 | 2.62 | 2.9 | 11.8 | 34.5 | 12 |
| 18 | 1/1.02 | 2.66 | 2.9 | 14.4 | 21.4 | 17 |
| 18 | 41/0.16 | 2.92 | 3.2 | 15.9 | 23.0 | 17 |
| 16 | 1/1.29 | 2.93 | 3.2 | 19.9 | 13.5 | 22 |
| 16 | 26/0.254 | 3.21 | 3.5 | 22.5 | 14.7 | 22 |
| 14 | 1/1.63 | 3.27 | 3.6 | 28.2 | 8.45 | 31 |
| 14 | 41/0.254 | 3.67 | 4.0 | 30.3 | 8.79 | 31 |
| 12 | 1/2.05 | 3.69 | 4.1 | 41.0 | 5.31 | 42 |
| 12 | 65/0.254 | 4.09 | 4.5 | 44.1 | 5.41 | 42 |
| 10 | 1/2.588 | 4.23 | 4.7 | 60.9 | 3.343 | 54 |
| 10 | 104/0.254 | 5.07 | 5.6 | 72.5 | 3.64 | 54 |

国外标准电线电缆系列 FOREIGN STANDARDS-BASED WIRES & CABLES

(续)

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|-------------------|---|----------------------------|------------------------|-----------------------------------|--|--|
| 9 | 1/2.906 | 4.55 | 5.0 | 74.7 | 2.652 | 65 |
| 9 | 82/0.32 | 5.31 | 5.8 | 85.0 | 2.77 | 65 |
| 8 | 1/3.264 | 5.70 | 6.3 | 102 | 2.102 | 75 |
| 8 | 133/0.284 | 6.47 | 7.1 | 116 | 2.36 | 75 |
| 7 | 7/1.38 | 6.58 | 7.2 | 132 | 1.667 | 86 |
| 7 | 82/0.404 | 7.07 | 7.8 | 140 | 1.78 | 86 |
| 6 | 7/1.56 | 7.62 | 8.4 | 163 | 1.323 | 102 |
| 6 | 104/0.404 | 7.83 | 8.6 | 179 | 1.44 | 102 |
| 4 | 7/1.96 | 8.32 | 9.2 | 245 | 0.8315 | 135 |
| 4 | 164/0.404 | 9.17 | 10.1 | 258 | 0.91 | 135 |
| 2 | 7/2.47 | 10.65 | 11.7 | 392 | 0.57 | 166 |
| 1 | 19/1.68 | 10.71 | 11.8 | 506 | 0.47 | 211 |
| 1/0 | 19/1.89 | 13.76 | 15.1 | 624 | 0.37 | 220 |
| 2/0 | 19/2.12 | 14.91 | 16.4 | 766 | 0.29 | 260 |
| 3/0 | 19/2.38 | 16.21 | 17.8 | 947 | 0.23 | 315 |
| 4/0 | 19/2.67 | 17.66 | 19.4 | 1172 | 0.18 | 330 |

▲ 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)