

表面印字: AWM 3271 125℃ 600V 24AWG SHHKW

### 应用范围

适用于电器、电子设备内部连接线；  
电子用途时电压峰值可至2500V。

### APPLICATIONS

Suitable for internal wiring of electric appliances, electronic units;  
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；  
交联聚乙烯绝缘。

### WIRE MAKE-UP

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

### 技术参数

☒ 温度范围: 125℃  
☒ 额定电压: 600V  
☒ 符合标准: UL 758、1581

### TECHNICAL DATA

☒ Operating Temp.: 125℃  
☒ 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)