

UL CUL 认可号:
E255620

表面印字: E255620 AWM1015 105℃ 600V VW-1 x x AWG SHHKW AWM I A 105℃ 600V FT-1

应用范围

适用于电器内部接线,60℃耐油,电子用途可至2500V峰值。

APPLICATIONS

For internal wiring in electrical appliances; 60℃ oil resistant; 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,PVC绝缘。

WIRE MAKE-UP

Multi-stranded fine bare copper/tincopper single conductor PVC insulation

技术参数

- 温度范围: 105℃
- 额定电压: 600V
- 符合标准: UL 758、1581及CSA 22.2 N 210.2
通过 UL VW-1及CSA FT-1 垂直燃烧试验

TECHNICAL DATA

- Operating Temp.: 105℃
- Rated Voltage: 600V
- Governing Std.: UL 758, 1581 and CSA 22.2 N 210.2
Proved by vertical flame test in accordance with UL VW-1 and CSA FT-1

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	4.39	347	
30	7/0.10	1.94	2.1	4.60	350	
28	1/0.32	1.96	2.2	4.88	218	
28	7/0.127	2.02	2.2	5.24	232	
26	1/0.404	2.05	2.3	5.64	138	
26	7/0.16	2.12	2.3	6.12	146	
24	1/0.511	2.15	2.4	6.73	85.9	5
24	7/0.203	2.25	2.5	7.46	89.2	5
24	11/0.16	2.28	2.5	7.53	89.2	5
22	1/0.643	2.28	2.5	8.29	54.3	7
22	7/0.254	2.40	2.6	9.33	54.8	7
22	17/0.16	2.40	2.6	9.12	54.8	7
20	1/0.813	2.45	2.7	10.7	33.9	12
20	26/0.16	2.62	2.9	11.7	34.5	12
18	1/1.02	2.66	2.9	14.3	21.4	17
18	41/0.16	2.92	3.2	15.7	23.0	17
16	1/1.29	2.93	3.2	19.7	13.5	22
16	26/0.254	3.20	3.5	21.5	14.7	22
14	1/1.63	3.27	3.6	28.0	8.45	31
14	41/0.254	3.67	4.0	30.5	8.79	31
12	1/2.05	3.69	4.1	40.8	5.31	42
12	65/0.254	4.09	4.5	43.9	5.41	42
10	1/2.588	4.23	4.7	60.7	3.343	54
10	104/0.254	5.07	5.6	72.1	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	74.4	2.652	65
9	82/0.32	5.31	5.8	84.5	2.77	65
8	1/3.264	5.70	6.3	101	2.102	75
8	133/0.284	6.47	7.1	124	2.36	75
7	7/1.38	6.58	7.2	131	1.78	85
7	82/0.404	7.07	7.8	140	1.78	85
6	7/1.56	7.92	8.7	176	1.44	102
6	104/0.404	8.63	9.5	193	1.44	102
4	7/1.96	9.12	10.0	260	0.91	135
4	164/0.404	9.97	11.0	275	0.91	135
3	7/2.20	9.84	10.8	318	0.71	140
3	209/0.404	10.39	11.5	337	0.71	140
2	7/2.47	10.65	11.7	392	0.57	166
2	266/0.404	11.39	12.5	412	0.57	166
1	19/1.68	12.71	13.8	505	0.47	211
1	333/0.404	13.41	14.6	527	0.47	211
1/0	19/1.89	13.76	15.1	623	0.37	220
1/0	425/0.404	14.30	15.7	647	0.37	220
2/0	19/2.12	14.91	16.4	765	0.29	260
2/0	536/0.404	15.79	17.4	797	0.29	260
3/0	19/2.38	16.21	17.8	946	0.23	315
3/0	673/0.404	16.51	18.2	969	0.23	315
4/0	851/0.404	19.91	21.8	1219	0.18	330
250MCM	646/0.51	22.36	24.4	1500	0.14	360
300MCM	770/0.51	23.41	25.5	1751	0.12	400
350MCM	895/0.51	25.86	27.2	2022	0.10	420

▲ 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)