

THWN型(75°C,600V) 聚氯乙烯绝缘尼龙护套电线  
 THHN型(90°C,600V) 聚氯乙烯绝缘尼龙护套电线  
 THWN (75°C,600V) PVC-insulated Nylon-sheathed Wire  
 THHN (90°C,600V) PVC-insulated Nylon-sheathed Wire



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



表面印字: THWN 75°C 600V 14AWG SHHKW

应用范围

适用于潮湿或干燥的场所;  
 75°C耐油, 是建筑工程的主要用线。

APPLICATIONS

Suitable for wet or dry applications.  
 75°C oil resistant.  
 Primarily for building projects

电线结构

单根、多股绞裸铜丝或镀锡铜丝导体;  
 PVC绝缘, 尼龙护套。

WIRE MAKE-UP

Multi-stranded bare copper/tincopper single conductor  
 PVC insulation, nylon sheath

技术参数

- ☒ 温度范围: 75°C ( THWN ), 90°C ( THHN )
- ☒ 额定电压: 600V
- ☒ 符合标准: UL 83

TECHNICAL DATA

- ☒ Operating Temp.: 75°C ( THWN ), 90°C ( THHN )
- ☒ Rated Voltage: 600V
- ☒ Governing Std.: UL 83

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°C时 最大电阻 Max. Cond. R@20°C ≤ ( Ω/Km )	环境温度 30°C架空时 参考载流量(A) Ampacity@30°C Ambient (aerial cable)
14	1/1.63	2.67	3.1	22.8	7.41	31
14	7/0.62	2.90	3.3	25.5	7.41	31
14	19/0.38	2.94	3.4	25.7	7.41	31
12	1/2.05	3.09	3.5	36.5	4.61	42
12	7/0.78	3.38	3.8	38.6	4.61	42
12	19/0.47	3.39	3.8	39.0	4.61	42
10	1/2.59	3.89	4.4	58.0	3.08	54
10	7/0.98	4.24	4.8	59.7	3.08	54
10	19/0.60	4.30	4.8	60.2	3.08	54
8	1/3.26	5.12	5.7	95.6	1.83	75
8	7/1.23	5.55	6.2	98.1	1.83	75
8	19/0.75	5.61	6.3	97.7	1.83	75
6	7/1.56	6.54	7.3	149	1.15	102
6	19/0.95	6.63	7.4	148	1.15	102
4	7/1.96	8.26	8.7	237	0.727	135
4	19/1.19	8.33	8.7	237	0.727	135
3	7/2.20	9.02	10.0	295	0.60	140
3	19/1.33	9.07	10.0	295	0.60	140
2	7/2.47	9.83	11.0	365	0.524	166
2	19/1.50	9.92	11.0	365	0.524	166
1	19/1.68	10.88	12.1	462	0.387	211
1/0	19/1.89	12.43	13.8	592	0.30	220
2/0	19/2.12	13.58	15.1	732	0.268	260
3/0	19/2.38	14.88	16.5	909	0.193	315
4/0	19/2.67	16.33	18.1	1129	0.153	354

▲ 载流量是周围温度设定在30°C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°C and is to be multiplied by a factor when application conditions including number of cores, ambient temperature and wiring condition are changed. (see Appendix)