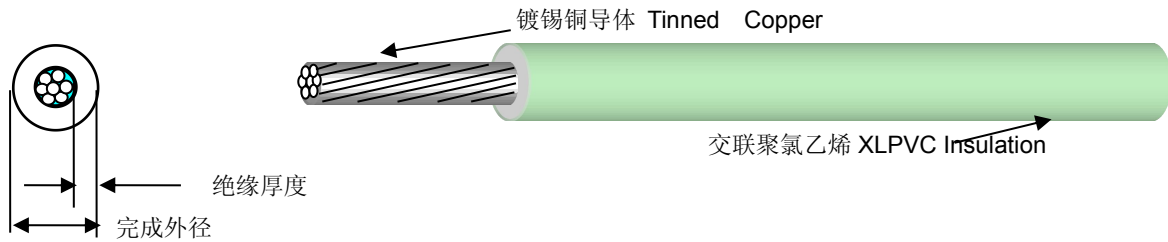




XLPVC 电子线 UL STYLE 1431

**1.说明 Description:**

额定温度 Rated temperature: 105℃

额定电压 Rated Voltage: 600V

绝缘体 Insulation: 交联聚氯乙烯绝缘 (XLPVC Insulation)

导体 Conductor: 镀锡或裸铜线 30 AWG - 1000 kcmil (Tinned/ Bare copper 30 AWG - 1000 kcmil)

标准 Standard: UL758、UL1581、CSA

标志 Marking: E211048 AWM STYLE 1431 NO. AWG 105℃ 600V VW-1 XLPVC QIFURUI AWM IA 105℃ 600V FT1 -LF-

OR: E211048 AWM STYLE 1431 NO. AWG 105℃ 600V VW-1 XLPVC QIFURUI 221756 CSA AWM IA 105℃ 600V FT1 -LF-

2.应用 Application:

一般商用电子、电子电器及设备仪器内部连接线、电机变压器和灯具引出线等环境温度不超过 105℃ 场合。

For general purchase internal wiring of appliance sand electronic equipments lead wires of motors and lamps where exposed to temperatures not Exceeding 105℃

3.订货资料 Order Reference:

可选颜色: 黑、白、红、黄、绿、蓝、棕、黄/绿, 特殊颜色可定制;

Colors available: Black、white、red、yellow、green、blue、yellow/green, special color can be order;

规格选择: 参照表格, 特殊规格可定制。Specification available: Reference to specification table, special Specification also can be ordered.

型号 Type	规格 AWG	导体结构 Conductor size (No./mm)	导体电阻 Conductor resistance 20℃ (Ω /Km)	导体外径 Conductor Dia.(mm)	绝缘厚度 Insulation thickness (mm)		完成外径 Overall diameter (mm)		包装 package ft/roll
					Nom.	Min.	Average	Tolerance	
1431	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15	500
	12	65/0.254	5.64	2.36	0.80	0.69	3.96	±0.15	1000
	14	41/0.254	8.96	1.88	0.80	0.69	3.54	±0.15	1000
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1	1000
	18	16/0.254	23.20	1.17	0.80	0.69	2.75	±0.1	2000
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1	2000
	22	17/0.16	59.40	0.76	0.80	0.69	2.36	±0.1	2000



	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1	2000
	26	7/0.16	150.00	0.48	0.80	0.69	2.10	±0.1	2000
	28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1	2000

4. 测试标准 Test Standard: UL758/UL1581 2006

电气性能 Electrical Properties:			
介电耐压测试 Dielectric Strength Test	测试时间 1 分钟, 2000V 电压不击穿 All specimen shall be withstand 2000V for 1 minute no breakdown		
火花测试 Spark test	测试时间 0.18 秒钟, 测试电压: 6000 V AC, 试验后不击穿 Test time 0.18 second, Test voltage: 6000 V AC, no breakdown		
物理性能 Physical performance			
绝缘物理性能, 未老化和空气烘箱老化 Insulation physical properties, Unaged and after air oven aged	老化前 Unaged	抗拉强度 Tensile strength	≥10.3 Mpa
		伸长率 Elongation percent	≥100 %
	老化条件: 136±2℃ 7 天 Aged in a full draft circulation air oven for 136±2℃ 168 Hours	抗拉强度 Tensile strength	老化前值的 70% minimum percent of unaged values 70%
		伸长率 Elongation percent	老化前值的 65% minimum percent of unaged values 65%
热冲击试验 Heat shock test	烘箱老化 136±1℃/1 小时 Oven temperature 136±1℃/1 hrs	绝缘不开裂 The sample shall not show any crack on the surface	
热变形试验 Deformation test	烘箱老化 121±1℃/1 小时, Oven temperature 121±1℃/1 hr	绝缘厚度减少率不超过 50% The thickness of insulation shall not decrease more than 50%	
冷弯曲试验 Cold bend test	-10±2℃低温处理 4 小时, 试棒直径为电线直径的 2 倍 (OD×2), 卷绕 6 圈。 Refrigerator temperature -10±2℃/4 hrs, mandrel diameter OD×2, 6 turns。	绝缘不开裂 The sample shall not show any crack on the surface	
燃烧试验 Flame test	VW-1 燃烧试验 VW-1 Flame test	火焰熄灭后, 样品延燃时间不超过 60S put out the fire, burning time of the sample is little than 60S	
有害物质检测 Hazardous Material test			



<p>有害物质检测 Hazardous Material</p>	<p>符合 ROHS 指令 RoHS compliance</p>
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