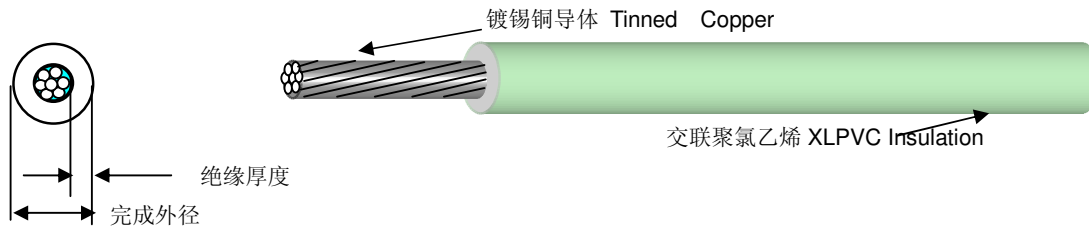




**3F ELECTRONICS INDUSTRY CORP.LTD**  
**XLPVC 电子线 UL STYLE 1430**



**1.说明 Description:**

额定温度 Rated temperature: 105°C

额定电压 Rated Voltage: 300V

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

导体 Conductor: 镀锡或裸铜线 30~16AWG (Tinned/ Bare copper 30~16AWG)

标准 Standard: UL758、UL1581、CSA

标志 Marking: E211048 AWM STYLE 1430 NO. AWG 105°C 300V VW-1 XLPVC QIFURUI c. AWM IA 105°C 300V FT1 -LF-

OR: E211048 AWM STYLE 1430 NO. AWG 105°C 300V VW-1 XLPVC QIFURUI 221756 CSA AWM IA 105°C 300V 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°C 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°C

**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°C (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	
1430	16	26/0.254	14.60	1.50	0.38	0.33	2.30	±0.1	1000
	18	16/0.254	23.20	1.17	0.38	0.33	1.92	±0.1	2000
	20	21/0.18	36.70	0.95	0.38	0.33	1.68	±0.1	2000
	22	17/0.16	59.40	0.76	0.38	0.33	1.52	±0.1	2000
	24	11/0.16	94.20	0.61	0.38	0.33	1.37	±0.1	2000
	26	7/0.16	150.00	0.48	0.38	0.33	1.24	±0.1	2000
	28	7/0.127	239.00	0.38	0.38	0.33	1.14	±0.1	2000
	30	7/0.10	381.00	0.31	0.38	0.33	1.06	±0.1	2000



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

<b>电气性能 Electrical Properties:</b>			
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 withstand 2000V for 1 minute without break down		
火花测试 Spark test	测试时间 0.18 秒钟, 测试电压: 3000 V AC, 试验后不击穿 Experiment time 0.18 second, Experiment voltage: 3000 V AC, without break down		
<b>物理性能 Physical performance</b>			
绝缘物理性能, 未老化和空气烘箱老化 Physical properties of insulation, Unaged and air oven aged	老化前 Unaged	抗拉强度 Tensile strength	≥10.3 Mpa
		伸长率 Elongation	≥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	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	
<b>有害物质检测 Hazardous Material test</b>			
有害物质检测 Hazardous Material	符合 ROHS 指令 RoHS compliance		