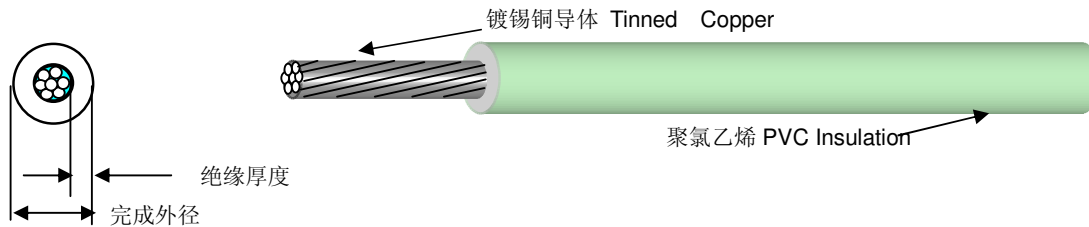




3F ELECTRONICS INDUSTRY CORP.LTD
PVC 电子线 UL STYLE 10198



1.说明 Description:

额定温度 Rated temperature: 105°C

额定电压 Rated Voltage: 300V

绝缘体 Insulation: 聚氯乙烯绝缘 (PVC Insulation)

导体 Conductor: 镀锡或裸铜线 30~4/0AWG (Tinned/ Bare copper 30~4/0AWG)

标准 Standard: UL758、UL1581、CSA

标志 Marking: E211048 AWM STYLE 10198 NO. AWG 105°C 300V VW-1 PVC QIFURUI AWM I A 105°C 300V FT1 -LF-

OR: E211048 AWM STYLE 10198 NO. AWG 105°C 300V VW-1 PVC QIFURUI 221756 CSA AWM I A 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	
10198	2/0	19/70/0.254	0.4275	12.20	2.07	1.14	16.35	±0.20	250
	1/0	7/37/0.511	0.5390	10.78	1.02	0.92	12.82	±0.20	250
	1	19/44/0.254	0.6798	9.72	1.02	0.92	11.76	±0.20	250
	2	7/37/0.404	0.8574	8.51	0.80	0.69	10.10	±0.20	250
	3	7/28/0.404	1.081	7.41	0.80	0.69	9.00	±0.20	250
	4	7/60/0.254	1.361	6.82	0.80	0.69	8.42	±0.15	250
	5	7/46/0.254	1.720	5.97	0.80	0.69	7.57	±0.15	500
	6	7/19/0.361	2.168	5.45	0.80	0.69	7.05	±0.15	500
	7	7/30/0.254	2.733	4.82	0.80	0.69	6.42	±0.15	1000
8	168/0.254	2.230	3.80	0.80	0.69	5.40	±0.15	1000	

**4. 测试标准 Test Method: 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 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		
物理性能 Physical performance			
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	
有害物质检测 Hazardous Material test			
有害物质检测 Hazardous Material	符合 ROHS 指令 RoHS compliance		