

DESCRIPTION:	UL2517 20AWG*2C+T (26/0.16T*2C)*1C			
PART NO:	BO-样-QHL-1084		CUSTOMER	QHL
CONSTRUCTION ITEM		Unit	Specified Value	
CONDUCTOR 导体	AWG	/	20AWG	
	CONSTRUCTION/构造规格	mm	26/0.16±0.008	
	COND. MATERIAL/导体材质	/	Tinned Copper	
	OD/外径	mm	0.942±0.02	
INSULATION 绝缘	MATERIAL/材质	/	PVC(-40℃~105℃)	
	ID/芯经外径	mm	1.8±0.1	
	AVERAGE THICKNESS/平均厚度	mm	0.38	
	MIN THICKNESS/最薄点厚度	mm	0.33	
	COLOR/颜色	/	White、Light Blue	
DRAIN WIRE 地线	CONSTRUCTION/构造规格	/	/	
	MATERIAL/材质	/	/	
COVERAGE 包覆	OVERLAPPING/重叠率	/	/	
	MATERIAL/材质	/	/	
Braid 编织	MATERIAL/材质	/	/	
	CONSTRUCTION/构造规格	/	/	
JACKET 外被	AVERAGE THICKNESS/平均厚度	mm	0.76	
	MIN THICKNESS/最薄点厚度	mm	0.61	
	MATERIAL/材质	/	PVC BLACK(ULTRAVIOLET PROTECTION AND WATER-PROOF)	
	DIAMETER/线径	mm	5.2±0.2	
WIRE SECTION 截面示意图	<p>The diagram shows a cross-section of a wire with two conductors. Each conductor consists of a central core surrounded by insulation. The entire assembly is enclosed in a jacket. Labels with arrows point to the CONDUCTOR, INSULATION, and JACKET.</p>			
MARKING:	AWM STYLE 2517 105℃ 300V VW-1 --- AWM I / II A/B 105℃ 300V FT1 --- ---			
DESIGNER (设计)		版本号	A0	
CHECK (审核)		页码	共2页, 第1页	
APPROVER (批准)		有效期:		

一. Electric Characters: (电气性能)

1. Voltage rating (额定电压) : 300V
2. Temperature rating (额定温度) : -40°C ~ 105°C
3. Spark test (火花测试) : 3KV
4. Conductor Resistance (20°C 导体电阻) : $\leq 59.4 \Omega / \text{KM}$
5. Insulation resistance (绝缘电阻) : $\geq 5.0 \text{M} \Omega \cdot \text{KM}$
6. Dielectric Strength (耐电压) : 2KV/MIN

二. Physical Characters: (物理性能)

1. Tensile strength test are before aging (老化前抗张强度测试) :
绝缘 (insulation) $\geq 10.35 \text{MPa}$ 外被 (jacket) $\geq 10.35 \text{MPa}$
2. Tensile strength test are after aging (老化后抗张强度测试) :
绝缘 (insulation) $\geq 70\% (\text{ORIGINAL})$ 外被 (jacket) $\geq 70\% (\text{ORIGINAL})$
3. Elongation before aging (老化前伸长率) :
绝缘 (insulation) $\geq 100\%$ 外被 (jacket) $\geq 100\%$
4. Elongation after aging (老化后伸长率) :
绝缘 (insulation) $\geq 65\% (\text{ORIGINAL})$ 外被 (jacket) $\geq 65\% (\text{ORIGINAL})$
5. Aged (老化条件) : $136 \pm 2^\circ \text{C} \times 168 \text{h}$
6. Deformation (加热变形) : $121 \pm 1^\circ \text{C} \times 1 \text{h}, 250 \text{g}, \leq 50\%$
7. Heat shock (热冲击) : $136 \pm 1^\circ \text{C} \times 1 \text{h}$, 无裂纹 (NO CRACK)
8. Cold Bend (冷弯) : $-40 \pm 2^\circ \text{C} \times 4 \text{h}$, 无裂纹 (NO CRACK)
9. Flame retardant test (阻燃测试) : PASS VW-1

三. 环保要求: (见SGS报告)

Cd: EN 1122-2001 Cr6+: EPA: 3060A Pb: EPA 3050B Hg: EPA 3052
PBBs: Gc/MS PBDEs: Gc/MS

物质名称:	芯线管理值	外被管理值	导体管理值
镉 (Cd)	<5PPM	<5PPM	<5PPM
铅 (Pb)	<50PPM	<50PPM	<50PPM
汞 (Hg)	<50PPM	<50PPM	<50PPM
六价铬 (Cr6+)	<5PPM	<5PPM	<5PPM
多溴联苯 (PBBs)	<5PPM	<5PPM	N. D
多溴联苯醚 (PBDEs)	<5PPM	<5PPM	N. D

四. Reference standard: UL758, UL1581 & CSA C22. 2 No. 210. 2