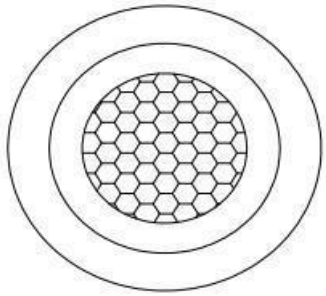
技术规格书
Approval Sheets

Customer/客户		/
Standard/标准		UL 4703
Construction/规格		ULPV 10AWG
Conductor （导 体）		
Construction Item	Units	10AWG
Construction/构造	mm	84/0.285±0.008
Material/材质	---	Tinned copper wire
O.D/绞合外径	mm	3.17
Insulation（绝 缘）		
Material/材质	---	XLPO
Avg.Thick/标准厚度	mm	0.72
Min.Thick最小厚度	mm	0.67
O.D/线径	mm	4.3±0.2
Color/颜色	---	Black
Twisted Pair（对 绞）		
Ins.Color/芯线颜色	---	/
Lay of Strand/绞距	mm	/
O.D/绞合外径	mm	/
Assemble （成 缆）		
Filling/填充	---	/
Lapping/包带	---	/
Drain.wire/地线	---	/
Covering（内 护）		
Material/材质	---	/
Avg.Thick/标准厚度	mm	/
Min.Thick/最小厚度	mm	/
O.D/线径	mm	/
Color/颜色	---	/
Armour(铠 装）		
Construction/结构	'---	/
Coverage/覆盖率	%	/
Shield （屏 蔽）		
Material/材质	---	/
Construction/结构	---	/
Coverage/覆盖率	%	/
Jacket （护 套）		
Material/材质	---	XLPO
Avg.Thick/标准厚度	mm	0.90
Min.Thick/最小厚度	mm	0.71
O.D/线径	mm	6.4±0.2
Color/颜色	'---	Black
Surface/外观	---	/
Marking （印字）		
UL 4703 10AWG SOLAR PV WIRE(CAN PRINT OEM LOGO)		

Sheet NO/编号

Construction Figure/截面图：



Electric Characters 电气性能
Nominal Voltage:UL 600V/1000V/2000V,DC1.8/6.0KV
Temperature rating/温度等级:120℃
Dielectric strength/耐压强度:AC-6.5kV/1 sec MIN
Spark test/火花测试:AC-10kV/In the air
Conductor resistance/导体电阻：3.5ΩKM Max at20℃
Weathering/UV-resistance/抗紫外线:720h，No cracking
Thermal endurance properties/热寿命: 25 Years
Physical Properties 物理性能
Elongation of unaged values/老化前伸长率(%):≥125%
Tensilestrengthof unaged values /老化前抗张强度(N/mm2):≥6.5&8.5
Aged in a full draft circulating air oven/老化条件: 150±2.0℃/168h
Elongation of After aging/老化后伸长率(%):≥70%
Tensile strength of After aging/老化后抗张强度：≥70%
Ozone resistance/耐臭氧性:72h No cracking
Cold bend test/冷弯: -40±2℃*16h No cracking
Cold impact test/冷冲击:-40℃*16h/1000g；100mm No cracking
Executive Standard:UL4703

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APPROVED BY THE CLIENT 客 户 认 可