



Customer/客户				Sheet NO/编号	LD0816010
Standard/标准		EN50618		Construction Figure/截面图:	
Construction/规格		H1Z2Z2-K 1X10.0mm ²			
Conductor (导体)					
Construction Item	Units	10.0mm ²		Electric Characters 电气性能 Voltage rating/额定电压: DC1500V Temperature rating/使用环境温度等级: -40~90°C Dielectric strength/耐压强度: AC-6.5kV/5min Spark test/火花测试: AC-10kV/In the air Conductor resistance/导体电阻: 1.95ΩKM Max at 20°C 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% Insulation Tensile strength of unaged values /绝缘老化前抗张强度 (N/mm ²) ≥ 6.5; Jacket Tensile strength of unaged values /护套老化前抗张强度(N/mm ²) ≥ 8.0 Aged in a full draft circulating air oven/老化条件: 150±2.0°C/168h Elongation of After aging/老化后伸长变化率(%) ≤ 30% Tensile strength of After aging/老化后抗张强度变化率: ≤ 30% Ozone resistance/耐臭氧性: 25±2°C*24h No cracking Cold bend test/冷弯: -40±2°C*16h No cracking Cold impact test/冷冲击: -40°C*16h/1000g; 100mm No cracking Flame test/阻燃性: IEC 60332	
Construction/构造	mm	142/0.2850±0.01			
Material/材质	---	Tinned copper wire			
O.D/绞合外径	mm	4.35			
Insulation (绝缘)					
Material/材质	---	XLPE			
Avg.Thick/平均厚度	mm	0.70			
Min.Thick最小厚度	mm	0.50			
O.D/线径	mm	5.8±0.15			
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	---	XLPE			
Avg.Thick/平均厚度	mm	0.80			
Min.Thick/最小厚度	mm	0.60			
O.D/线径	mm	7.8±0.2			
Color/颜色	'---	Black			
Surface/外观	---	/			
Marking (印字)					
 DC1500V H1Z2Z2-K 1×10.0mm ²					
APPROVED批准		CHECKED审查	DESIGNED编制		
邹志彬		陈忠吴	陈琪琳		
APPROVED BY THE CLIENT 客户认可					