



## Specification 技术参数

标称截面 Cross Section (mm <sup>2</sup> )	导体构造 Construction (No./mm±0.008) Tinned copper wire	绞合 外径 DIA. (mm)	绝缘材料 Insulation Material	绝缘厚度 Insulation Thickness (mm)		绝缘外径 Insulation Od. (mm±0.15)	护套材料 Cover material	护套厚度 Jacket Thickness (mm)		线缆外径 Cable Od. (mm±0.2)
				Avg.	Min.			Avg.	Min.	
2×1.5	30/0.25	2.02	XLPO	0.7	0.53	3.30	XLPO	0.8	0.58	5.0×2F
2×2.5	49/0.25	2.02		0.7	0.53	3.45		0.8	0.58	5.4×2F
2×4	56/0.285	2.46		0.7	0.53	3.55		0.8	0.58	5.6×2F
2×6	84/0.285	3.02		0.7	0.53	4.30		0.8	0.58	6.3×2F
2×10	146/0.285	4.05		0.7	0.53	5.80		0.8	0.58	7.8×2F
2×16	228/0.285	5.00		0.7	0.53	7.20		0.9	0.67	9.3×2F

## Current Rating Ambient Temperature 参考载流量

敷设方法 Installation Method Conductor (mm <sup>2</sup> )	单根电缆至于空气中 Single cable Free in air	单根电缆至于表面 Single cable Free on a surface	电缆表面相互贴邻 Two loaded cables touching on a surface
2×1.5	31	30	24
2×2.5	42	40	33
2×4	57	54	45
2×6	72	69	58
2×10	98	96	80
2×16	132	130	107

环境温度 ambient temperature: 60 °C 最大导体温度 Max. conductor temperature: 120 °C

## Electrical Data 电气参数

标称截面 Cross Section (mm <sup>2</sup> )	最大导体电阻 20 °C (Ω/km) Conductor Max. Resistance @20 °C (Ω/km)	最小绝缘电阻 20 °C (MΩ·km) Insulation Min. Resistance @20 °C (MΩ·km)	最小绝缘电阻 90 °C (MΩ·km) Insulation Min. Resistance @ 90 °C (MΩ·km)
1×1.5	13.7	1050	1.050
1×2.5	8.21	862	0.862
1×4	5.09	709	0.709
1×6	3.39	610	0.610
1×10	1.95	489	0.489
1×16	1.24	395	0.395
1×25	0.795	393	0.393
1×35	0.565	335	0.335



## Properties 物理性能

测试项目		测试标准	Test method
绝缘/护套伸长率 elongation of insulation/sheath	老化前 test are before aging	125% ↑	EN 60811-1-1
绝缘/护套抗张强度 Tensile strength of insulation/sheath		8.0Mp ↑	
绝缘/护套伸长率 elongation of insulation/sheath	老化后 test are after aging	>70% Elongation before aging	EN 60811-1-2
绝缘/护套抗张强度 Tensile strength of insulation/sheath		>70% Tensil Strength before aging	
护套热收缩Shrinkage resistant		≤2%	EN 60811-503
耐酸碱Acid and alkali resistant		EN 60811-2-1	
耐臭氧Ozone resistant		EN50396 - 8.1.3	
耐气候性 UV resistant		EN 50289 - 4 - 17	
动态穿透Dynamic penetrate force		EN 50618-Annex D	
低温冲击 (-40°C, 5h) Impact at low temperature		EN 60811-1-4	
耐燃 Fire performance		IEC60332-1-2	
氯溴含量Cland Br Content		EN 50618	
热寿命Thermal endurance Test		EN60216 - 1,EN60216 - 2, TI120	

## Application 应用

应用范围Application	太阳能板及光伏应用的内部连线 Internal wiring for solar panel and photovoltaic applications
认证 Approval	EN 50618
额定电压Rating voltage	DC1500V
测试电压Test voltage	AC 6.5KV,50Hz 5min
绝缘线芯直流耐压 DC Voltage test of insulation	1800V, 240h(85°C, 3%NaCl) 不击穿No break
工作温度 Working temperature	-40~90°C
短路温度 Short circuit temperature	250°C 5S
弯曲半径Bending radius	6×D
寿命Life Period	≥25 years

\* Customized options available, for more information, please contact LEADER sales team: [info@leadergroup-cn.com](mailto:info@leadergroup-cn.com).

