



Specification 技术参数

标称截面 Cross Section (mm ²)	导体构造 Construction (No./±0.008mm) 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. (±0.15mm)	护套材料 Cover material	护套厚度 Jacket Thickness (mm)		线缆外径 Cable Od. (±0.2mm)
				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	56/0.283	2.46		0.7	0.53	3.55		0.8	0.58	5.6×2F
2×6	84/0.283	3.02		0.7	0.53	4.30		0.8	0.58	6.3×2F
2×10	142/0.283	4.00		0.7	0.53	5.80		0.8	0.58	7.6×2F
2×16	228/0.283	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 ²)	单根电缆至于空气中 Single cable Free in air (A)	单根电缆至于表面 Single cable Free on a surface(A)	电缆表面相互贴邻 Two loaded cables touching, on a surface(A)
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 ²)	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



Main Properties 主要性能

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 60811-501
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 60811-501
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 60811-404	
耐臭氧 Ozone resistant		EN50396	
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 60811-506	
耐燃 Fire performance		IEC60332 -1-2	
氯溴含量 Cl and Br Content		EN 50525-1 Annex B	
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	EN 50395 1800V , 240h 85°C 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	≥4×D
寿命 Life Period	≥25 years

* Customized options available, for more information, please contact LEADER sales team: info@leadergroup-cn.com.

