



DC 1500V



100m~6000m



Low Smoke Zero Halogen



Excellent Chemical & Oil resistance



-40℃ ~ +90℃



UV Resistance



IEC62930/EN50618



## Specification 技术参数

应用范围 Application	太阳能板及光伏系统连线 Internal wiring for solar panel and photovoltaic system
认证 Approval	EN50618
额定电压 Rating voltage	DC1500V
测试电压 Test voltage	AC 6.5KV, 50Hz 5min
工作温度 Working temperature	-40~+90℃
最高线温 Max Conduct temperature	120℃
短路温度 Short circuit temperature	250℃ 5S
弯曲半径 Bending radius	≥4×D
寿命 Life Period	≥25 years

## Structure 结构参数

标称截面 Cross Section (mm <sup>2</sup> )	铜导体构造 Construction (No. / ±0.008mm)	导体外径 DIA. (mm)	绝缘厚度 Insulation Thickness (mm)	护套厚度 Jacket Thickness (mm)	线缆外径 Cable OD. (±0.2mm)
1×2.5	49/0.25	2.02	0.7	0.8	5.4
1×4	56/0.283	2.46	0.7	0.8	5.6
1×6	84/0.283	3.02	0.7	0.8	6.3
1×10	142/0.283	4.00	0.7	0.8	7.6
1×16	228/0.283	5.00	0.7	0.9	9.3

## Package Data 包装数据

Package REF 包装规格	Without Spool 包无线轴包装	With Spool 线轴包装		
MPQ (m) 最小包装(4mm <sup>2</sup> )	100m	200m	400m	500m
One Pallet 单托盘(4mm <sup>2</sup> )	14,400m	30,000m	18,000m	12,000m
20GP Container 20 尺柜	300,000m for 4mm <sup>2</sup>			
	200,000m for 6mm <sup>2</sup>			



**Electrical Data 电气参数**

标称截面 Cross Section (mm <sup>2</sup> )	最大导体电阻 20℃ (Ω/km) Conductor Max. Resistance @20℃ (Ω/km)	最小绝缘电阻 20℃ (MΩ·km) Insulation Min. Resistance @20℃ (MΩ·km)	最小绝缘电阻 90℃ (MΩ·km) Insulation Min. Resistance @ 90℃ (MΩ·km)
1×2.5	7.98	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	393	0.393

**Main Properties 主要性能**

绝缘电阻 (20℃) Insulation resistance @20℃	≥ 709 MΩ·Km (4mm <sup>2</sup> )
绝缘电阻 (90℃) Insulation resistance @90℃	≥ 0.709 MΩ·Km (4mm <sup>2</sup> )
护套表面电阻 Surface resistance of sheath	≥10 <sup>9</sup> Ω
成品电缆耐电压 Voltage test of finished cable	AC 6.5KV 5min, No break
绝缘线芯直流耐压 DC Voltage test of insulation	1800V DC, 240h 85℃ No break
绝缘抗张强度 Tensile strength of insulation	≥8.0Mpa
护套抗张强度 Tensile strength of sheath	≥8.0Mpa
护套伸长率 elongation of sheath	≥125%
护套热收缩 Shrinkage resistant	≤2%
耐酸碱 Acid and alkali resistant	EN60811-404 23 7×24h
耐臭氧 Ozone resistant	EN 60811-403 EN50396
耐气候性 UV resistant	EN 50618-Annex E EN 50289-4-17
动态穿透 Dynamic penetrate force	EN 50618-Annex D
低温卷绕 (-40℃,16h) Winding at low temperature	EN 60811-504
低温冲击 (-40℃, 16h) Impact at low temperature	EN 60811-506
耐燃 Fire performance	EN 60332-1-2
氯溴含量 Clad Br Content	EN 50525-1 Annex B
热寿命 Thermal endurance Test	EN60216-1,EN60216-2, TI120

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

