



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	IEC62930/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	6×D
寿命 Life Period	≥25 years

Structure 结构参数

标称截面 Cross Section (mm ²)	铜导体构造 Construction (No. /mm±0.01)	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. (mm±0.2)
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	146/0.283	4.00	0.7	0.8	7.8
1×16	228/0.283	5.00	0.7	0.9	9.3
1×25	361/0.283	6.50	0.9	1.0	11.0
1×35	266/0.4	8.00	0.9	1.1	12.5

Package Data

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 ²)	100m	200m	400m	500m
One Pallet 单托盘(4mm ²)	14,400m	30,000m	18,000m	12,000m
20GP Container 20 尺柜	300,000m for 4mm ²			
	200,000m for 6mm ²			



Electrical Data 电气参数

标称截面 Cross Section (mm ²)	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	690	0.690
1×4	5.09	579	0.579
1×6	3.39	499	0.499
1×10	1.95	419	0.419
1×16	1.24	339	0.339
1×25	0.795	340	0.34
1×35	0.565	290	0.29

Properties 物理性能

绝缘电阻 (20℃) Insulation resistance @20℃	≥ 709 MΩ·Km
绝缘电阻 (90℃) Insulation resistance @90℃	≥ 0.709 MΩ·Km
护套表面电阻 Surface resistance of sheath	≥10 ⁹ Ω
成品电缆耐电压 Voltage test of finished cable	AC 6.5KV 5min, 不击穿 No break
绝缘线芯直流耐压 DC Voltage test of insulation	900V, 240h(85℃, 3%NaCl) 不击穿 No break
绝缘抗张强度 Tensile strength of insulation	≥10.3Mpa
护套抗张强度 Tensile strength of sheath	≥10.3Mpa
护套伸长率 elongation of sheath	≥125%
护套热收缩 Shrinkage resistant	≤2%
耐酸碱 Acid and alkali resistant	EN60811-2-1
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
低温卷绕 (-40℃, 16h) Winding at low temperature	EN 60811-504
低温冲击 (-40℃, 16h) Impact at low temperature	EN 60811-1-4
耐燃 Fire performance	IEC60332-1-2
氯溴含量 Clad Br Content	EN 50618
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.

