



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	34/0.285	2.02	0.70	0.80	5.40
1×4	56/0.285	2.46	0.70	0.80	5.60
1×6	84/0.285	3.02	0.70	0.80	6.30
1×10	146/0.285	4.00	0.70	0.80	7.80
1×16	228/0.285	5.00	0.70	0.90	9.30
1×25	361/0.285	6.50	0.90	1.00	11.00
1×35	266/0.40	8.00	0.90	1.10	12.50
1×50	361/0.40	9.60	1.00	1.20	15.00
1×70	532/0.40	11.80	1.10	1.20	17.00
1×95	720/0.40	12.70	1.10	1.30	18.00
1×120	874/0.40	14.20	1.20	1.30	20.20

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)	电流承载能力 Current Carrying Capacity (A)
1×2.5	8.21	862	0.862	42
1×4	5.09	709	0.709	57
1×6	3.39	610	0.610	72
1×10	1.95	489	0.489	98
1×16	1.24	393	0.393	132
1×25	0.795	395	0.395	183
1×35	0.565	335	0.335	227
1×50	0.393	314	0.314	287
1×70	0.227	291	0.291	361
1×95	0.210	258	0.258	433
1×120	0.164	249	0.249	508

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	EN60811-404
耐臭氧 Ozone resistant	EN60811-403/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 60811-506
耐燃 Fire performance	IEC60332-1-2 & UL VW-1
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.

