



DC 1500V



100m~5000m



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)
1×1.5	30/0.25	1.58	0.7	0.8	5.0
1×2.5	49/0.25	2.02	0.7	0.8	5.4
1×4	56/0.285	2.46	0.7	0.8	5.6
1×6	84/0.285	3.02	0.7	0.8	6.3
1×10	146/0.285	4.00	0.7	0.8	7.8
1×16	288/0.285	5.00	0.7	0.8	9.3
1×25	361/0.285	6.50	0.9	1.0	11.0
1×35	252/0.4	7.80	0.9	1.1	12.5
1×50	373/0.4	9.00	1.0	1.2	15.0
1×70	340/0.5	11.2	1.1	1.2	17.0
1×95	456/0.5	13.5	1.1	1.3	18.0
1×120	570/0.5	14.4	1.2	1.3	20.0
1×150	722/0.5	16.2	1.4	1.4	22.0
1×185	850/0.5	17.8	1.6	1.6	24.5
1×240	1112/0.5	20.5	1.7	1.7	29.5

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)	电流承载能力 Current Carrying Capacity (A)
1×1.5	13.7	1.050	1050	31
1×2.5	8.21	0.862	862	42
1×4	5.09	0.709	709	57
1×6	3.39	0.610	610	72
1×10	1.95	0.489	489	98
1×16	1.24	0.393	393	132
1×25	0.795	0.395	395	183
1×35	0.565	0.335	335	227
1×50	0.393	0.314	314	287
1×70	0.277	0.291	291	361
1×95	0.210	0.258	258	433
1×120	0.164	0.249	249	508
1×150	0.132	0.260	260	590
1×185	0.108	0.268	268	671
1×240	0.0817	0.249	249	808

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 Cl and 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.

