



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	2PFG 2962/12.23
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°C
最高线温 Max Conduct temperature	120°C
短路温度 Short circuit temperature	250°C 5S
弯曲半径 Bending radius	6xD
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±0.008)	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)
1×4	56/0.283	2.46	0.8	0.8	5.8
1×6	84/0.283	3.05	0.8	0.8	6.4
1×10	146/0.283	4.00	0.8	0.8	7.6
1×16	228/0.283	5.00	0.9	0.9	9.3

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°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)
1×4	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

Properties 物理性能

阻燃测试 Flame retardant test	IEC 60332-1-2
成品电缆耐电压 Voltage test of finished cable	AC 6.5KV 5min, No break
绝缘长期耐直流电压 Long-term resistance of insulation to d.c. voltage	3600V, 2016h(90°C, 30g/L NaCl) 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
电容变化率 Change of capacitance	pfG 2962/12.23-Annex G
耐气候性 UV resistant	IEC 62930-Annex E Duration 1008h
动态穿透 Dynamic penetrate force	pfG 2962/12.23-Annex F
低温卷绕 (-40°C, 16h) Winding at low temperature	EN 60811-504
低温冲击 (-40°C, 16h) Impact at low temperature	EN 60811-506
耐燃 Fire performance	IEC60332-1-2
氯溴含量 Cl and Br Content	pfG 2962/12.23-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.

