



## 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
防海水等级 Seawater resistance gradel	AD8
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	6×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. /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)
1×4	56/0.285	2.46	0.8	0.8	6.4±0.2
1×6	84/0.285	3.05	0.8	0.8	6.8±0.2
1×10	142/0.285	4.00	0.8	0.8	7.6±0.2
1×16	228/0.285	5.00	0.9	0.9	9.3±0.2

## 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 <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)
1×4	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

盐雾测试 salt spray test	2PfG 2962/12.23-AnnexH
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 DC, 2016h(90℃, 30g/L NaCl) 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	EN 60811-404
电容变化率 Change of capacitance	2PfG 2962/12.23-Annex G
耐气候性 UV resistant	IEC 62930-Annex E Duration 1008h
动态穿透 Dynamic penetrate force	2PfG 2962/12.23-Annex F
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
氯溴含量 Cl and Br Content	2PfG 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](mailto:info@leadergroup-cn.com).

