



DC 1500V



100m~1000m



Low Smoke Zero Halogen



Excellent Chemical &amp; Oil resistance



-40°C ~ +90°C



UV Resistance



IEC62930/EN50618



## Specification

Application	Internal wiring for solar panel and photovoltaic system
Approval	TUV 2PFG 2642/11.17
Rating voltage	DC1500V
Test voltage	AC 6.5KV,50Hz 5min
Working temperature	-40~+90°C
Short circuit temperature	250°C 5S
Bending radius	12×D
Life Period	≥25 years

## Structure

Cross Section (mm <sup>2</sup> )	Construction (No./mm±0.01)	Conductor DIA.(mm)	Conductor Max. Resistance @20°C (Ω/km)	Cable OD. (mm±0.2)
1×6	84/0.30	3.20	5.23	6.5
1×10	7/1.35	3.80	3.08	7.3
1×16	7/1.7	4.80	1.91	8.7
1×25	7/2.14	6.00	1.20	10.5
1×35	7/2.49	7.00	0.868	11.8
1×50	19/1.8	8.30	0.641	13.5
1×70	19/2.16	10.00	0.443	15.2
1×95	19/2.53	11.60	0.320	17.2
1×120	37/2.03	13.00	0.253	18.6
1×150	37/2.27	14.50	0.206	20.5
1×185	37/2.53	16.20	0.164	23.0
1×240	61/2.26	18.50	0.125	25.8

Remark: Customized options available, for more information, please contact LEADER sales team: [info@leadergroup-cn.com](mailto:info@leadergroup-cn.com)



## 电气性能 Electrical Specification

标称截面 Cross Section(mm <sup>2</sup> )	1×6	1×10	1×16	1×25	1×35	1×50	1×70	1×95	1×120	1×150	1×185	1×240
最大导体电阻20℃ (Ω/km) Conductor Max. Resistance AT 20℃ (Ω/km)	5.23	3.08	1.91	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125
最小绝缘电阻20℃ (MΩ·km) Insulation Min. Resistance AT 20℃ (MΩ·km)	610	489	395	393	335	314	291	258	249	268	260	249
最小绝缘电阻90℃ (MΩ·km) Insulation Min. Resistance AT 90℃ (MΩ·km)	0.610	0.489	0.395	0.393	0.335	0.314	0.291	0.258	0.249	0.268	0.260	0.249

## 物理性能 Properties

测试项目	测试标准	Test method
绝缘/护套伸长率 elongation of insulation/sheath	125%↑	EN 60811-1-1
绝缘/护套抗张强度 Tensile strength of insulation/sheath	8.0Mp↑	
绝缘/护套伸长率 elongation of insulation/sheath	>70% elongation before aging	EN 60811-1-2
绝缘/护套抗张强度 Tensile strength of insulation/sheath	>70% Tensil Strength before aging	
护套热收缩Shrinkage resistant	≤2%	EN 60811-503
耐酸碱Acid and alkali resistant	EN 60811-2-1	
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 50618-2014附录D	
低温冲击 ( - 40℃, 5h) Impact at low temperature	EN 60811-1-4	
耐燃 Fire performance	IEC60332-1-2	
氯溴含量Cl and Br Content	EN 50618	
热寿命Thermal endurance Test	EN60216 - 1, EN60216 - 2, TI120	

## 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(6mm <sup>2</sup> )	100m	200m	500m	1000m
One Pallet 单托盘(6mm <sup>2</sup> )	14,400m	15,200m	10,000m	12,000m
20GP Container 20 尺柜	160,000m for 10mm <sup>2</sup>			
	240,000m for 6mm <sup>2</sup>			

