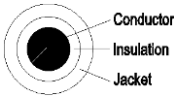


光伏电线规格**1500VDC**
PV Cable Specification 1500VDC

导体与线材结构 **Construction and properties**

导体结构参考表1 The construction of wire shall be complied with following and table 1.



1).导体 Conductor	镀锡退火软铜绞线 Soft annealed stranded tin-plated copper
2).绝缘 Insulation	交联聚烯烃 Electron beam cross-linked material(XLPE)
3).护套 Jacket	交联聚烯烃/Electron beam cross-linked material(XLPE)
4).参考标准 Applicable Standard	62930 IEC 131
5).印字标识 Identification Mark	TUV 62930 IEC 131 HALOGEN FREE LOW SMOKE 1×**mm ² 1500VDC NSPV NewSun PV Technology Co.,Ltd
6).成品电缆耐电压 Voltage test of finished cable	AC 6.5KV 5min,or DC 1.5KV 5min 不击穿 No break
7).导体与线材结构 Construction and Properties	表1/Table1

导体 Conductor			护套 Jacket		导体电阻 Conductor Resistance
面积 Area.(mm ²)	结构 Construction(mm)	绞线外径 Stranded OD(mm)	外径 Diameter(mm)	颜色 Color	Max. (Ω/KM) (at 20℃)
1.5	30/0.24	1.51	4.7±0.2	Black/red	13.7
2.5	49/0.24	1.93	5.1±0.2		8.21
4	52/0.3	2.49	5.5±0.2		5.09
6	84/0.285	3.01	6.2±0.2		3.39
10	77/0.4	4.05	7.2±0.2		1.95
16	126/0.4	5.6	9.2±0.2		1.24
25	196/0.4	7.29	11.3±0.3		0.795
35	276/0.4	8.55	13.1±0.3		0.565

额定电压/Rating voltage	V	1500VDC
工作环境/Ambient temperature	℃	-40~+90
最大导体温度/Max.conductor temperature	℃	+120
短路电流温度/Short circuit temperature	℃	+200(at the conductor max.5sec)

物理性能/Mechanical Characteristics	
热寿命/Highly heat resistant:	-40℃...+90℃ (>150 hours)
	-40℃...+105℃ (>150 hours)
	-40℃...+120℃ (>150 hours)

使用寿命/Expected usable life:>25 years

8).环保要求符合RoHS/Environmental Data:RoHS-conform