

产品规格书

Product Specification

储能系统用电缆

Cable for energy storage system



型号 Type	
型号 Type	ESL/W15Z3-K
产品标准 Product Standard	2PFG 2693
额定电压 Nominal voltage	1500V DC

规格 Style of the cable (mm ²) Construction	导体 Conductor				绝缘			
	材料 Materials	导体结构 Conductor construction (NO./mm)	绞合外径 Stranded Dia. (mm)	20°C最大电阻 Max. Conductor DC Resistance at 20°C (Ω/km)	标称厚度 AVG Thickness (mm)	成品外径 Insu.Dia. (mm)	材料 Materials	颜色 Color
4	绞合铜线 (镀锡或 裸铜) Stranded copper (Tinned or bare copper)	133/0.2	2.66	4.71	0.8	4.30±0.2	XLPO	黑色或 橙色 Black or orange
6		190/0.2	3.42	3.14	0.8	4.80±0.2		
10		323/0.2	4.40	1.82	1.0	6.25±0.2		
16		513/0.2	5.70	1.16	1.0	8.10±0.2		
25		798/0.2	6.70	0.743	1.3	10.20±0.3		
35		1121/0.2	8.00	0.527	1.3	11.50±0.3		
50		1596/0.2	9.50	0.368	1.5	13.60±0.3		
70		2257/0.2	11.50	0.259	1.5	15.50±0.4		
95		1887/0.254	13.50	0.196	1.6	18.20±0.4		
120		2368/0.254	15.60	0.161	1.8	20.20±0.5		
150		2960/0.254	17.70	0.129	2.0	22.5±0.5		

电缆特性 Features	
工作温度 Working temperature	-40 ~ +125°C
断裂伸长率 Elongation at break	≥ 125%
抗张强度 Tensile strength	≥ 8.0MPa
老化 Aging test	158±2°C *168h, 机械性能变化率≤ 30% 158±2°C *168h, Mechanical properties change rate ≤ 30%
热延伸 Thermal elongation	≤ 100%; 冷却后永久伸长≤ 25% ≤ 100%; Permanent elongation ≤ 25% after cooling
耐酸碱 Acid and alkali resistant	2PFG 2693
低温弯曲 Low temperature bending	-40±2°C *4h, 卷绕不开裂 -40±2°C *4h, No crack
阻燃试验 Fire performance	EN 60332-1-2
弯曲半径 Bending radius	≤ 50mm ² : ≥ 5*OD; > 50mm ² : ≥ 6*OD
成品耐压 Pressure resistance of finished product	6kV AC/5min
20°C绝缘电阻率 insulation resistivity at 20°C	≥ 1011Ω*mm
气候性 / 耐紫外线试验 Ultraviolet resistance	2 PFG 2693/06.19 Annex F


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