

ESL15Z3-K 储能电缆

ESL15Z3-K Energy Storage System Cable



产品优点 Advantages:

- 产品柔软、易于安装
Flexible and easy for installation
- 产品阻燃性好, 满足 EN 60332-1-2 单根垂直燃烧
Excellent flame retardancy, Meet the requirement of EN 60332-1-2 for single vertical flame combustion
- 耐油、耐酸碱、耐水、耐磨
Resistance against oil, acid, alkali, water, wearing
- 抗开裂
Resistance against cracking
- 所有材料符合 ROHS&REACH 环保标准
All materials comply with ROHS&REACH

性能 Properties:

- 成品电缆耐电压: AC 6.8KV 5min, 不击穿
Voltage test of finished cable: AC 6.8KV 5min, No break
- 绝缘抗张强度: $\geq 9\text{Mpa}$
Tensile strength of insulation: $\geq 9\text{Mpa}$
- 绝缘断裂伸长率: $\geq 120\%$
Elongation at Break of Insulation: $\geq 120\%$
- 额定电压: DC 1500V
Rating voltage: DC 1500V
- 工作温度: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
Working temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- 绝缘颜色: 黑色或橙色
Insulation Color: Black or orange

应用 Application:

- 主要用于蓄电池、逆变器、电网等系统组件之间的电力连接和传输。
It is primarily used for power connection and transmission between system modules such as storage batteries, inverters, and power grids.

截面积 Cross Section (mm ²)	导体规格 Conductor (No./mm)	绝缘厚度 Insulation Thickness(mm)	电缆外径 Cable Diameter(mm)	导体电阻 20°C Conductor Resistance at 20°C (Ω/km)	重量 weight (kg/km)
4	133/0.2	0.8	4.3	≤ 5.09	49
6	190/0.2	0.8	4.8	≤ 3.39	68
10	323/0.2	1.0	6.25	≤ 1.95	115
16	513/0.2	1.1	8.1	≤ 1.24	186
25	798/0.2	1.3	10.2	≤ 0.795	292
35	1121/0.2	1.3	11.5	≤ 0.565	395
50	1596/0.2	1.5	13.6	≤ 0.393	559
70	2257/0.2	1.5	15.5	≤ 0.277	767
95	1887/0.254	1.5	18.1	≤ 0.21	1038
120	2368/0.254	1.5	19.6	≤ 0.164	1273
150	2960/0.254	1.7	22.1	≤ 0.133	1600