

# ESL10Z3-K 储能电缆

## ESL10Z3-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 4.5KV 5min, 不击穿  
Voltage test of finished cable: AC 4.5KV 5min, No break
- 绝缘抗张强度：≥ 9Mpa  
Tensile strength of insulation: ≥ 9Mpa
- 绝缘断裂伸长率：≥ 120%  
Elongation at Break of Insulation: ≥ 120%
- 额定电压：DC 1000V  
Rating voltage: DC 1000V
- 工作温度：-40°C ~125°C  
Working temperature: -40°C ~125°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 <sup>2</sup> )	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	0.7	4.1	≤ 5.09	47
6	190/0.2	0.7	4.6	≤ 3.39	66
10	323/0.2	0.7	5.7	≤ 1.95	109
16	513/0.2	0.7	7.3	≤ 1.24	174
25	798/0.2	0.9	9.4	≤ 0.795	276
35	1121/0.2	0.9	10.7	≤ 0.565	379
50	1596/0.2	1.0	12.6	≤ 0.393	535
70	2257/0.2	1.1	14.7	≤ 0.277	749
95	1887/0.254	1.1	17.3	≤ 0.21	1018
120	2368/0.254	1.2	19	≤ 0.164	1264
150	2960/0.254	1.4	21.5	≤ 0.133	1590