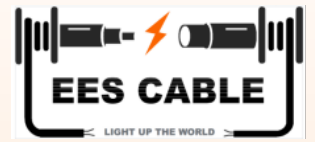


# 62930 IEC 131 / H1Z2Z2-K SINGLE CORE SOLAR CABLE



## ADVANTAGES

- Low smoke halogen free
- Neatly wrapping
- Weather, UV, ozone resistant
- Good low temperature resistant
- Good high temperature resistant
- Long thermal life, expected 25 years under 90°C

## APPLICATION

This cable is widely used in photovoltaic power generation and solar system, connecting solar module and electrical components. It is suitable for outdoor extreme environment.

The cable supports customization, can pass AD8 waterproof level test, conform to CPR Cca-s1,d0,a2 fire rating certification and is suitable for direct burial.

## CHARACTERISTICS

**Conductor:** Tinned stranded copper, comply with IEC60228, EN60228, VDE0295, Class 5

**Insulation:** XLPO, Optional color

**Jacket:** XLPO, Optional color

**Voltage Rating**

DC: 1500V

**Test Voltage**

6500V AC

**Temperature Rating**

Rated: -40°C to +90°C

Max. conductor temp: +120°C

Short Circuit: +250°C

**Minimum Bending Radius**

$\varnothing < 8\text{mm} \geq 4 \times \text{overall diameter}$

$\varnothing \geq 8\text{mm} \geq 6 \times \text{overall diameter}$

**Testing Standard**

Smoke Density Test: transmittance  $\geq 60\%$  EN50618

Cold Bending Test: -40°C  $\pm 2^\circ\text{C}$  no crack

EN60811-504

**Reference Standard**

EN50618 & IEC62930

Cable Name	Cross Section (mm <sup>2</sup> )	Construction (No./mm)	Insulation O.D. (mm)	Cable O.D. (mm)	Conductor Resistance Max(Ω/km, 20°C)
	1.5	30/0.25	3.05	4.70	13.7
	2.5	49/0.25	3.50	5.20	8.21
	4.0	56/0.285	3.85	5.50	5.09
H1Z2Z2-K Single Core	6.0	84/0.285	4.45	6.10	3.39
EN50618	10	77/0.40	5.50	7.20	1.95
	16	126/0.40	6.90	8.80	1.24
	25	196/0.40	8.70	10.80	0.795
	35	276/0.40	10.00	12.40	0.565