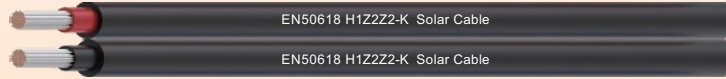
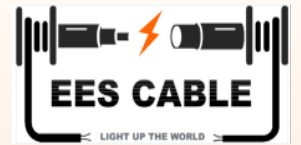


62930 IEC 131 / H1Z2Z2-K TWIN CORE SOLAR CABLE



ADVANTAGES

- Low smoke halogen free
- Uniform connection, easy to tear
- 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.

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

$\varnothing \leq 12\text{mm} \geq 4 \times \text{overall diameter}$

$\varnothing > 12\text{mm} \geq 10 \times \text{overall diameter}$

Testing Standard

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

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

EN60811-504

Testing Standard

EN50618 & IEC62930

Cable Name	Cross Section (mm ²)	Construction (No./mm)	Insulation O.D. (mm)	Cable O.D. (mm)	Conductor Resistance Max(Ω/km, 20°C)
	2*1.5	30/0.25	3.05	4.70*9.60	13.7
	2*2.5	49/0.25	3.50	5.20*10.60	8.21
	2*4.0	56/0.285	3.85	5.50*11.20	5.09
H1Z2Z2-K Twin Core	2*6.0	84/0.285	4.45	6.10*12.40	3.39
EN50618	2*10	77/0.40	5.50	7.20*14.70	1.95
	2*16	126/0.40	6.90	8.80*17.90	1.24
	2*25	196/0.40	8.70	10.80*21.90	0.795
	2*35	276/0.40	10.00	12.40*25.10	0.565