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

Ø ≤ 12mm ≥4 x overall diameter

Ø > 12mm ≥10 x overall diameter

Testing Standard

Smoke Density Test: transmittance≥60% EN50618

Cold Bending Test: -40°C±2°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