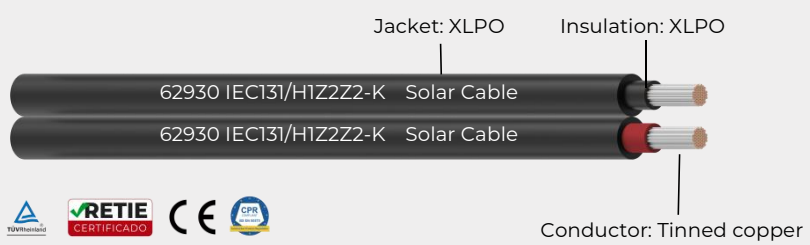
SUNKEAN

62930 IEC 131 / H1Z2Z2-K Solar Cable



Advantage

- UV resistance
- Ozone resistance
- CPR Dca certified
- Flame test IEC 60332-1-2

Characteristics

- Temperature range
  -40℃ to +90℃
- Max. temperature at conductor
  +90℃ (Max. of 20000 hours at +120℃)
- Rated voltage
  AC U_0/U 1.0/1.0 kV
  DC U_0/U(U_m) 1.5/1.5(1.8) kV
- Min. Bending Radius
  Fixed installation 5x cable Ø
- According to
  IEC 62930 / EN 50618
- Certificate Number
  J 50477534 / J 50478016

Cable Structure

• Conductor	IEC 60228 Class 5 tinned copper
• Insulation Layer	XLPO All colour
• Jacket Layer	XLPO All colour

Test Item

• UV-resistant	acc. to EN 50618 / IEC 62930 Annex E
• Ozone-resistant	acc .to EN 60811-403 / IEC 60811-403
• Flame retardant	acc. to EN 60332-1-2 / IEC 60332-1-2
• Halogen-free	acc. to EN 50525-1 / IEC 62821-1
• Smoke density	acc. to EN 61034-2 / IEC 61034-2

Application

Mainly used in photovoltaic power generation and solar energy systems, connecting solar modules and electrical components,suitable for outdoor extreme environments. Not suitable for permanent installation in water.

Cross Section (mm²)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max.(Ω/km, 20°C)
2×1.5	1.6	0.7	0.8	4.7×9.6	68	13.7
2×2.5	2.0	0.7	0.8	5.1×10.4	90	8.21
2×4	2.4	0.7	0.8	5.5×11.2	117	5.09
2×6	3.0	0.7	0.8	6.1×12.4	158	3.39
2×10	4.0	0.7	0.8	7.1×14.4	250	1.95
2×16	5.5	0.7	0.9	8.8×17.8	390	1.24
2×25	6.8	0.9	1.0	10.7×21.6	596	0.795
2×35	8.1	0.9	1.1	12.2×24.6	813	0.565