

62930 IEC131 / H1Z2Z2-K Solar Cable

Single Core



Advantage

- UV resistant
- Ozone resistance
- CPR Dca certified
- Flame test IEC60332-3
- More economical

Characteristics

- **Temperature Rating**
-40°C to +90°C
- **Max. Temperature At Conductor**
+120°C
- **Nominal Voltage**
AC U₀/U 1.0 / 1.0 kV
DC U₀/U 1.5 / 1.5 kV
- **Maximum Permissible DC Voltage**
1.8 kV
- **Min. Bending Radius**
Fixed installation 5x cable Ø
- **Approvals**
IEC62930 / EN50618
R50477533 / R50477532

Cable Structure

- **Conductor:** IEC60228 Class 5 Tinned copper
- **Insulation:** XLPO All colour
- **Jacket:** XLPO All colour

Test Item

- **Halogen-free**
- **Flame Retardant**
- **Smoke Density**
- **UV-resistant**
- **Ozone-resistant**

acc. to DIN EN50525-1/IEC 62821-1
acc. to DIN EN60332-1-2/ IEC 60332-1-2
acc. to DIN EN61034-2/ IEC 61034-2
acc. to DIN EN50618/IEC62930 Annex E
acc. to DIN EN60811-403/IEC 60811-403

Application

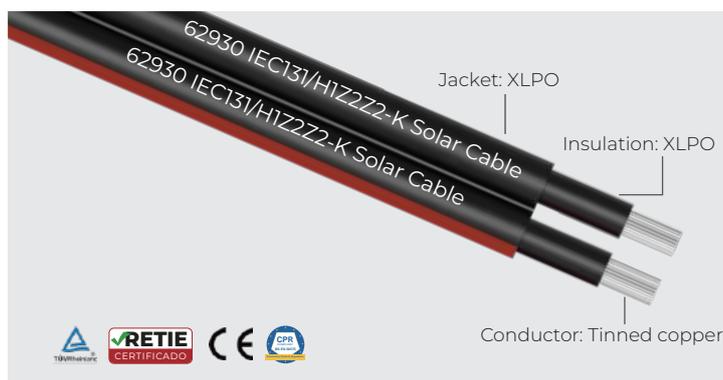
Mainly used in photovoltaic power generation and solar energy systems, connecting solar modules and electrical components, suitable for outdoor extreme environments. Not suitable for permanent installation in water.

Cross Section (mm ²)	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)
1.5	1.6	0.7	0.8	4.60±0.15	34	13.7
2.5	2.0	0.7	0.8	5.10±0.15	45	8.21
4	2.4	0.7	0.8	5.50±0.15	59	5.09
6	3.0	0.7	0.8	6.10±0.15	79	3.39
10	4.0	0.7	0.8	7.20±0.20	125	1.95
16	5.5	0.7	0.9	8.80±0.20	198	1.24
25	6.8	0.9	1.0	10.80±0.30	303	0.795
35	8.1	0.9	1.1	12.40±0.50	413	0.565
50	9.8	1.0	1.2	14.20±0.50	552	0.393
70	11.6	1.1	1.2	16.40±0.80	767	0.277
95	13.3	1.1	1.3	18.50±0.80	991	0.210
120	15.2	1.2	1.3	20.60±1.00	1239	0.164
150	16.8	1.4	1.4	23.10±1.00	1564	0.132
185	18.9	1.6	1.6	25.40±1.20	1971	0.108
240	21.6	1.7	1.7	28.30±1.20	2532	0.0817

Note: Please refer to the above technical reference number for your reference, please check the technical section of our department for your request.

62930 IEC131 / H1Z2Z2-K Solar Cable

Twin Core



Advantage

-  UV resistant
-  Ozone resistance
-  CPR Dca certified
-  Flame test IEC60332-3
-  More economical

Characteristics

- **Temperature Rating**
-40°C to +90°C
- **Max. Temperature At Conductor**
+120°C
- **Nominal Voltage**
AC U_0/U 1.0 / 1.0 kV
DC U_0/U 1.5 / 1.5 kV
- **Maximum Permissible DC Voltage**
1.8 kV
- **Min. Bending Radius**
Fixed installation 5x cable \varnothing
- **Approvals**
IEC62930 / EN50618
J50477534 / J50478016

Cable Structure

- **Conductor:** IEC60228 Class 5 Tinned copper
- **Insulation:** XLPO All colour
- **Jacket:** XLPO All colour

Test Item

- **Halogen-free**
- **Flame Retardant**
- **Smoke Density**
- **UV-resistant**
- **Ozone-resistant**

acc. to DIN EN50525-1/IEC 62821-1
acc. to DIN EN60332-1-2/ IEC 60332-1-2
acc. to DIN EN61034-2/ IEC 61034-2
acc. to DIN EN50618/IEC62930 Annex E
acc. to DIN EN60811-403/IEC 60811-403

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 (mm ²)	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)
2x1.5	1.6	0.7	0.8	4.7x9.6	68	13.7
2x2.5	2.0	0.7	0.8	5.1x10.4	90	8.21
2x4	2.4	0.7	0.8	5.5x11.2	117	5.09
2x6	3.0	0.7	0.8	6.1x12.4	158	3.39
2x10	4.0	0.7	0.8	7.1x14.4	250	1.95
2x16	5.5	0.7	0.9	8.8x17.8	390	1.24
2x25	6.8	0.9	1.0	10.7x21.6	596	0.795
2x35	8.1	0.9	1.1	12.2x24.6	813	0.565

Note: Please refer to the above technical reference number for your reference, please check the technical section of our department for your request.