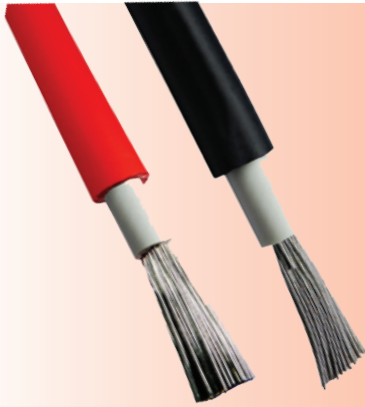


SOLAR H1Z2Z2-K CABLE



Application

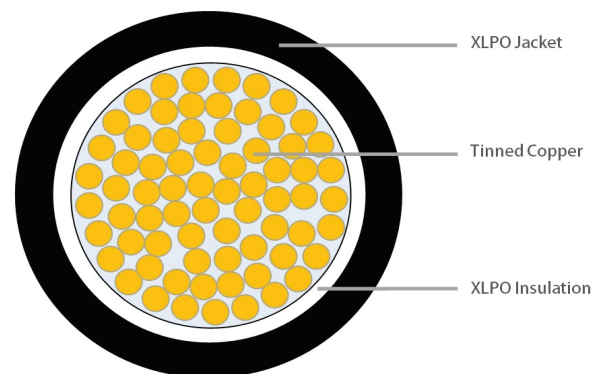
- For use in photovoltaic system with rated 1500VDC/ 1000VAC.
- Interconnection between the Solar Photovoltaic (PV) modules, DC / AC inverter, charge controller and Solar battery bank.
- Rooftop PV systems, photovoltaic power station.
- Installation according to IEC 60364-5-52.

Features

- Single-core cable 1.5 to 400mm², XLPO (Crosslinked polyolefin) suitable for fixed and mobile installation.
- Halogen free jacket, Cable will not emit toxic gases when exposed to fire.
- High current carrying capacity.
- Dual wall insulation, Electron beam cross-linked.
- Resistance to UV, water, ozone, fluids, salt, general weathering.

Physical Specifications

Conductor	
Material	Tinned Copper
Insulation	
Material	XLPO (Crosslinked Polyolefin)
Colour	White
Jacket	
Material	XLPO (Crosslinked Polyolefin)
Colour	Red / Black



Electrical Characteristics

Rated Voltage	1500VDC / 1000VAC
Range of Temperature	-40°C to +25°C
Dielectric Strength	AC -6.5KV/1min
Spark Test	AC -10KV/in the air
UV Resistance	720 Hours
Life Time	25 Years

Standard

EN 50618 / IEC62930
RoHS Compliant

Ordering information

Cross Section Nom. mm ²	Conductor Dia. (±0.05mm)	Nom. Inner layer Thickness (±0.05mm)	Outer Shield Thickness (±0.05mm)	Cable Dia. Nom. (±0.3mm)	Cable Weight (Approx.) Kg/Km	Conductor DCR 20°C max Ω/Km	Current rating single cable in air Amps	Current rating single cable on surface Amps
1.5	2	0.7	0.8	4.78	39	13.7	30	28
2.5	2	0.7	0.8	5.2	49	8.21	41	39
4	2.6	0.7	0.8	5.9	66	5.1	55	52
6	3.3	0.7	0.8	6.3	82	3.39	70	67
10	4.1	0.7	0.8	7.3	128	1.95	98	93
16	5.2	0.7	0.9	8.7	190	1.24	132	126
25	6.4	0.9	1	10.5	296	0.795	176	167
35	7.6	0.9	1.1	11.8	393	0.565	218	207

SOLAR H1Z2Z2-K CABLE

Cross Section Nom. mm ²	Conductor Dia. (±0.05mm)	Nom. Inner layer Thickness (±0.05mm)	Outer Shield Thickness (±0.05mm)	Cable Dia. Nom. (±0.3mm)	Cable Weight (Approx.) Kg/Km	Conductor DCR 20°C max Ω/Km	Current rating single cable in air Amps	Current rating single cable on surface Amps
50	9.2	1	1.1	13.8	550	0.393	275	262
70	10.9	1.1	1.2	16.9	756	0.277	347	330
95	21.5	1.1	1.3	17.5	994	0.215	416	395
120	14.2	1.2	1.3	19.5	1240	0.164	488	464
150	15.8	1.4	1.4	21.8	1551	0.133	465	538
165	17.5	1.6	1.6	24	1915	0.108	644	612
240	20.1	1.7	1.7	27	2457	0.082	775	736
300	22.5	1.8	1.8	30	3039	0.065	913	855
400	26	2	2	34.5	4020	0.049	1098	1041

Part No.	Description
RCS-0015X1S-2yx	1.5mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0025X1S-2yx	2.5mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0040X1S-2yx	4mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0060X1S-2yx	6mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0100X1S-2yx	10mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0160X1S-2yx	16mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0250X1S-2yx	25mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0350X1S-2yx	35mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0500X1S-2yx	50mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0700X1S-2yx	70mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-0950X1S-2yx	95mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-1200X1S-2yx	120mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-1500X1S-2yx	150mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-1650X1S-2yx	165mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-2400X1S-2yx	240mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-3000X1S-2yx	300mm ² Single core Tinned Copper XLPO PV cable 500m/Drum
RCS-4000X1S-2yx	400mm ² Single core Tinned Copper XLPO PV cable 500m/Drum

*y = Colour = 6 - red, 7 - black

*x = Batch = A, H, P

*Other length available upon request