ALVOLTA
BUILT FOR POWER

Solar Cable 1500V DC

C4SR | C4SOL | C6SOL | C10SOL

TWIN 2 x 4mm² | 2 x 6mm² | 2 x 10mm²



SINGLE 1 x 4mm²



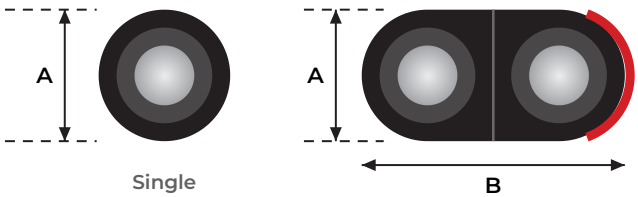
XLPO sheath › XLPO insulation › Class 5 tinned copper

Built for the demands of Australian solar with Alvolta Solar Cable.

Double insulated H1Z2Z2-K PV cable rated to 1500V DC, with fine Class 5 tinned copper conductors that stay flexible and easy to route. Cross-linked XLPO insulation and sheath handle -40°C to +90°C ambient and are rated IPX7 waterproof.

Available in single core 4mm² and twin 4, 6 and 10mm². The twin cable has a red-striped core for easy polarity identification. Halogen free, low smoke and compliant to IEC62930 and EN50618.

Product Dimensions



Single

Twin

Part No.	A (mm)	B (mm)
C4SR	5.5 ±0.15	-
C4SOL	5.5 ±0.15	11.1 ±0.3
C6SOL	6.1 ±0.15	12.3 ±0.3
C10SOL	7.2 ±0.3	14.6 ±0.6

Product Properties

Solar Cable

Cable Type	H1Z2Z2-K
Rated Voltage	1500V DC / 1000V AC
Voltage Withstand	6500V AC
Conductor	Tinned Copper, Class 5
Insulation Thickness	0.7mm (XLPO)
Sheath Thickness	0.8mm (XLPO)
Colour (Twin)	Black / Black, red stripe
Colour (Single)	Black
Ambient Temperature	-40°C to +90°C
Max. Conductor Temp.	120°C
Bending Radius	≥ 3 x OD
Flame Test	EN 60332-1-2
Protection	Halogen Free, Low Smoke
Water Resistance	AD7 & IPX7
Compliance	IEC62930, EN50618

Sizes

Part No.	C4SR	C4SOL	C6SOL	C10SOL
Cores x Size	1 x 4mm²	2 x 4mm²	2 x 6mm²	2 x 10mm²
Stranding	56/0.285	56/0.285	84/0.285	77/0.40
Conductor Ø	2.45mm	2.45mm	3.0mm	4.1mm
Resistance Ω/km	5.09	5.09	3.39	1.95
Max. Current	**57A**	**57A**	**72A**	**98A**

Resistance: max. conductor DC resistance at 20°C. Current: max. per conductor at 30°C ambient - derate for installation method per AS/NZS 3008.1.1.

1500V DC Rated

IPX7 Waterproof

Compliant to IEC62930