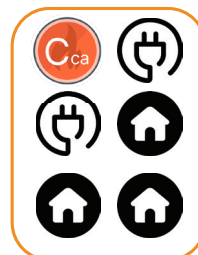


SOLAR CABLE

TECHNICAL DATA SHEET



- Compliant to EN50575
- Compliant to EN50618 (HIZ2Z2-K)
- TUV (PV 1500-WR)



Applications

Solar cables are utilized to link solar panels and other elements in a photovoltaic system.

They are designed to withstand extreme UV radiation, high temperatures, and are resistant to abrasion and oil.

These cables are also waterproof.

Their low smoke zero halogen jacket is fire-resistant and produces minimal smoke, adhering to CPR Cca standards.

They have also obtained certification for floating PV systems in accordance with TUV (PV 1500-WR) guidelines.

Voltage and Temperature

Nominal Voltage:	1.5kV DC / 1.0kV AC
Max Operating Voltage:	1.8kV DC / 2.0kV AC
Test Voltage:	6.5kV AC / 15kV DC
Bending Radius:	$\geq 5 \times$ cable diameter
Rated Temperature:	+125°C
Max Storage Temperature:	+40°C
Min Installation Temperature:	-25°C

Standards

Cable
RoHS2, REACH
EN 50618:2014 - HIZ2Z2-K
EN 50575 CPR Cca

Characteristics

Conductor:	Stranded tinned copper
Insulation:	Polyethylene
Jacket:	XL-LSZH
Marking:	SOL6 HIZ2Z2-K 1xXXmm ² PV Cable CPR Cca-sla,d0,a2 TUV R-XXXXXXXX ZZWWYY CE xxxxxm

Ordering Information

Item No.	Cross Section	External Diameter (mm)	Designation	Max. resistance (Ω/km)	Max. Current @ 60°C	Packing
SCSOL625CB5	1x2.5mm ²	5.1 +/- 0.15 mm	SOLAR CABLE 1X4mm ² TUV EN50618 HIZ2Z2-K LSZH CPR Cca BLACK	8.21 Ω/km	41A	D500m
SCSOL64CB5	1x4.0mm ²	5.5 +/- 0.15 mm	SOLAR CABLE 1X4mm ² TUV EN50618 HIZ2Z2-K LSZH CPR Cca BLACK	5.09 Ω/km	55A	D500m
SCSOL64CR5	1x4.0mm ²	5.5 +/- 0.15 mm	SOLAR CABLE 1X4mm ² TUV EN50618 HIZ2Z2-K LSZH CPR Cca RED	5.09 Ω/km	55A	D500m
SCSOL66CB5	1x6.0mm ²	6.1 +/- 0.15 mm	SOLAR CABLE 1X6mm ² TUV EN50618 HIZ2Z2-K LSZH CPR Cca BLACK	3.39 Ω/km	70A	D500m
SCSOL610CR5	1x10.0mm ²	7.0 +/- 0.20 mm	SOLAR CABLE 1X10mm ² TUV EN50618 HIZ2Z2-K LSZH CPR Cca RED	1.95 Ω/km	98A	D500m

RoHS GUIDELINE

We operate according to the following standards

Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	< 0.01%	EN1122	ICP-AES
Lead content (Pb)	< 0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	< 0.1%	EPA3052	ICP-AES
Chromium (VI) content	< 0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls (PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MS	