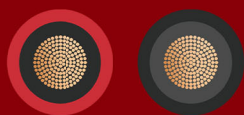


SOWELLSOLAR

Safety Solar Photovoltaic Cable



GQXL-H1 SERIES

SOLAR DC CABLE

EN50618 / H1Z2Z2-K 1500V

(IEC62930 62930IEC131 1500V)

Range of cross sectional area: 1.5mm²-35mm²

**10
YEARS
LIMITED
PRODUCT
WARRANTY**

**25
YEARS
SERVICE
LIFE**

Sowell Solar

SOLAR DC CABLE (Tinned Copper)

GQXL-H1

SOLAR DC CABLE

EN50618 / H1Z2Z2-K 1500V (IEC62930 62930IEC131 1500V)

Range of cross sectional area: 1.5mm²-35mm²

Application

Halogen free cross-linked polyolefin double layers photovoltaic cables for use at the photovoltaic power systems. This cable can match with most PV-components like PV-junction boxes and PV-connectors, which have a rated voltage of 1500 V DC.

Cable surface marking

TÜV SÜD EN50618 H1Z2Z2-K 1X ** mm² DC 1500V DO NOT DISCONNECT

UNDER LOAD SOWELLSOLAR

TÜV SÜD IEC62930 63930IEC131 1X ** mm² DC 1500V DO NOT DISCONNECT

UNDER LOAD SOWELLSOLAR

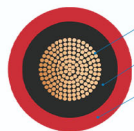
Certificate

EN50618:2016 & IEC62930 ed.1 & CE

B1161110001

Cable design	
Conductor	Tinned copper wires, according IEC 60228, Class 5
Insulation	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
Sheath	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
Special technology	Electron beam cross-linked

Electrical characteristics	
Rated voltage U ₀ /U	AC 1000V, DC 1500V
Temperature range	-40°C up to +90°C
Max. temperature at conductor	120°C
Min. bending radius	5 x cable diameter
Industry Standards	EN 50618:2014
Tensile strength and elongation	EN 60811-1-1
Cold bending	EN 60811-504
Thermal endurance properties	EN60216-1 /-2
Halogen free	50525-1 ANNEX B
Ozone resistance	EN60811-403 / EN 50396
UV resistance	HD 605/A1
Flame characteristics	IEC 60332-1-2



Conductor: Copper, tin plated

Insulation: 125°C XLPO, Cross-Linked

Sheath: 125°C XLPO, Cross-Linked



Sowell Solar

SOLAR DC CABLE (Tinned Copper)

Product selection table

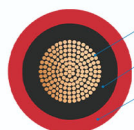
Part No.	Conductor cross section mm ²	Strand design Number x Ø mm	Conductor resistance Ω / km 20°C	Outer-Ømm	Sheath Color
GQXL-H115B	1X1.5	30/0.25	13.70	4.7±0.1mm	Black
GQXL-H115R	1X1.5	30/0.25	13.70	4.7±0.1mm	Red
GQXL-H125B	1X2.5	49/0.25	8.21	5.3±0.1mm	Black
GQXL-H125R	1X2.5	49/0.25	8.21	5.3±0.1mm	Red
GQXL-H140B	1X4,0	56/0.282	5.09	5.6±0.1mm	Black
GQXL-H140R	1X4,0	56/0.282	5.09	5.6±0.1mm	Red
GQXL-H160B	1X6,0	84/0.282	3.39	6.1±0.1mm	Black
GQXL-H160R	1X6,0	84/0.282	3.39	6.1±0.1mm	Red
GQXL-H1100B	1X10	77/0.4	1.95	7.3±0.1mm	Black
GQXL-H1100R	1X10	77/0.4	1.95	7.3±0.1mm	Red
GQXL-H1160B	1X16	126/0.4	1.24	9.3±0.1mm	Black
GQXL-H1160R	1X16	126/0.4	1.24	9.3±0.1mm	Red
GQXL-H1250B	1X25	196/0.4	0.795	11.2±0.1mm	Black
GQXL-H1250R	1X25	196/0.4	0.795	11.2±0.1mm	Red
GQXL-H1350B	1X35	273/0.4	0.565	12.6±0.1mm	Black
GQXL-H1350R	1X35	273/0.4	0.565	12.6±0.1mm	Red

* Dimensions and specifications may be changed without prior notice.

Package

Type	Meters/roll	Rolls/Pallet	Pallets/20GP	Qty/20GP	Kgs G.W
4mm	100	116+116	10+10	232000 Meters	13920
4mm	500	18+27	10+10	225000 Meters	13500
4mm	1000	12+18	10+10	300000 Meters	18000
6mm	100	116+116	10+10	232000 Meters	18560
6mm	500	18+27	10+10	225000 Meters	18000
6mm	1000	12+12	10+10	240000 Meters	19200

Other package can be customized.



Conductor: Copper, tin plated
Insulation: 125°C XLPO, Cross-Linked
Sheath: 125°C XLPO, Cross-Linked

TUV SUD EN50618 H1Z2Z2-K (62930 IEC131) 1X4,0 mm² DC1.5KV -40°C~ +90°C UV Res. (PV1-F 1X4 mm2) SOWELLSOLAR

TUV SUD EN50618 H1Z2Z2-K (62930 IEC131) 1X4,0 mm² DC1.5KV -40°C~ +90°C UV Res. (PV1-F 1X4 mm2) SOWELLSOLAR