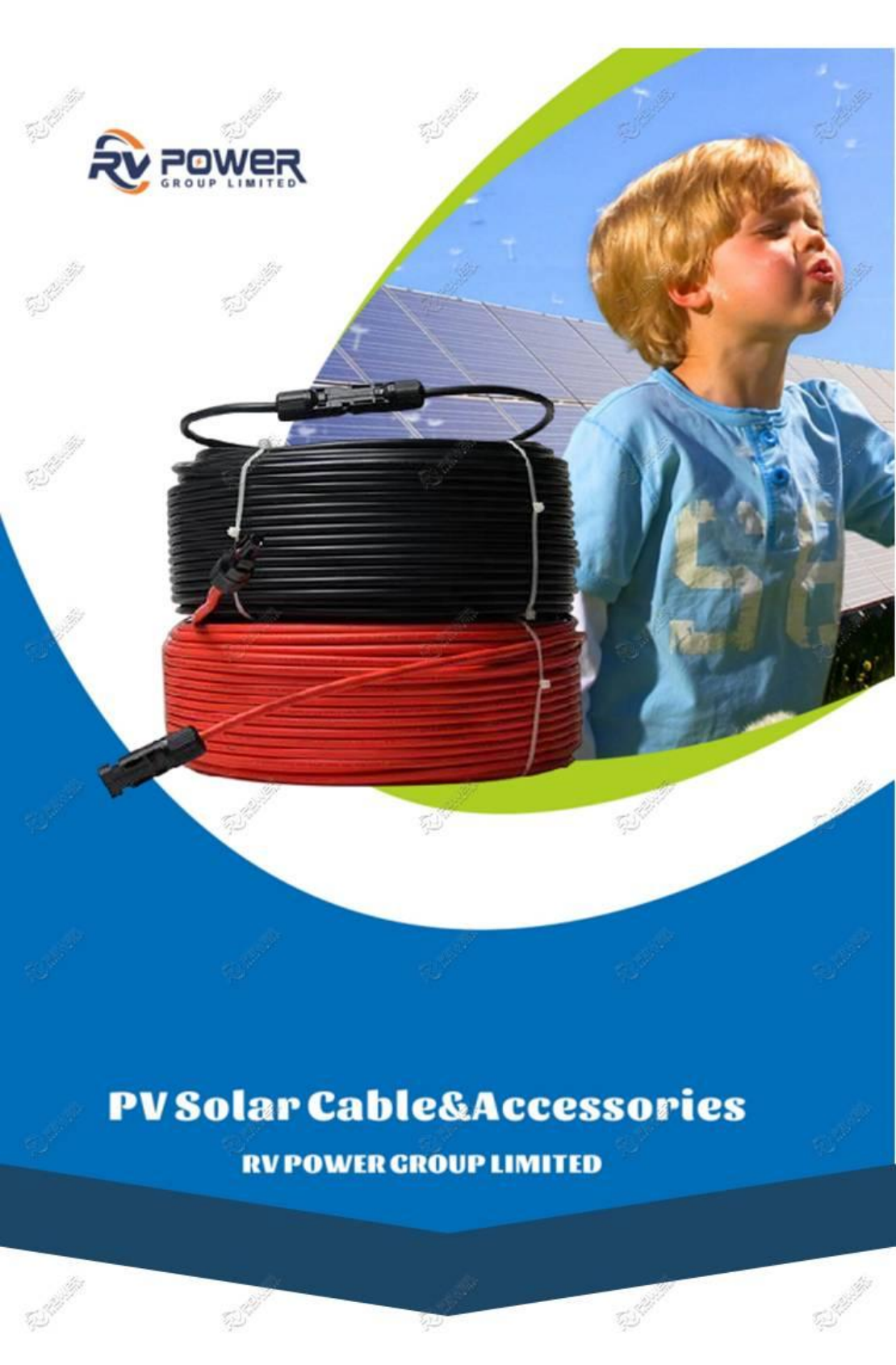
PV SOLAR CABLE

The solar cable, sometimes known as a 'PV Wire' or 'PV Cable' is the most important cable of any PV solar system. The solar panels generate electricity which has to be transferred elsewhere - this is where solar cables come in. The biggest distinction in terms of size is between solar cable 4mm and solar cable 6mm. This guide will cover average prices for the cables and how to calculate what size you need for your solar setup.



PV Solar Cable&Accessories

RV POWER GROUP LIMITED

COMPANY PROFILE >>>

RV POWER GROUP LIMITED is a high and new technology enterprise integrating in research, development, design, production and sales .we professional manufacture power cable, solar cable, EV cable ,cable accessories and special Cable,ELECTRICAL COMPONENTS We have the world' s most advanced cable&wire production lines and possesses auxiliary inspection and test equipment, providing guarantee for product quality.Our company passed ISO 9001 certificate and product certificate of TUV,UL, CE,VDE,KEMA ,PSE,JET, and RoHS.Our products are widely applied in power distribution systems, photovoltaic power generation systems,new energy vehicles charging station,electrical wiring harness,other industrial and civil fields.

RV POWER GROUP LIMITED constantly strive to adhere to our business philosophy of "quality is the soul,the principle of good faith,Innovation leads the future". In order to establish a long term relationship with all of our customers,we will offer a competitive price,high quantity

products and a good after-sales-service and we will improve our competitiveness and achieve a win-win situation for us as well as our clients.We are looking forward to cooperation with you !

Our core values: Quality is the soul,Innovation leads the future

Our social mission: Transmitting Power &Connecting Future

Our working spirit: Aspiration ,Specialization persistence,Harmonization,innovation

Our corporate vision: Manufacturing Green Proucts,light Up Future Life

PV SOLAR CABLE

Cables and accessories for photovoltaic systems

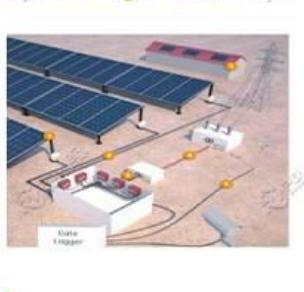
1 SOLAR CABLE (Interconnection of panels and solar park)

2Low Voltage Cable (Direct current low voltage network)

3 Solar Connector (Alternating current low voltage network)

4 Medium voltage (Medium voltage network)

5 Cat5/CAT6 Cable + optical fiber (Communication network)



Application of photovoltaic cable

1、The Standards of PV Cable

Common photovoltaic cable standards and differences are shown in the table 1.1. The userselects the corresponding product model according to the license issuing agency approvedby your country and the voltage of photovoltaic power generation system.

ITEM	2 PfG 2642	IEC62930	En50618	Ul4703	2 PfG 1169
TYPE	PV1500DC-AL	IEC 131,132**	H1Z2Z2-K	PV Wire	PV1-F
Publisher	TUV Rheinland	IEC	CENELEC	UL	TUV Rheinland
Rated Voltage	1500V	1500V	1500V	1000/2000V	1000V
Part. No	PVENER-V1/V2/V3	PV-IEC62-**	PV-H1-**	PV-UL-**	PV-F1-**

2、Main characteristics of photovoltaic cable.

2.1 Allow long term use in the sun.

2.2 Applicable ambient temperature - 40 ℃ ~ + 90 ℃.

2.3 The service life should be more than 20 years.

2.4 Except 62930 IEC 133/134, other types of PV cables are made of low smoke halogen-free, flame retardant polyolefin.

3、Current carrying capacity of photovoltaic cable

The current carrying capacity of common photovoltaic cables shall meet the requirements of table A.3, and the actual current shall be less than the data in the third column in solar system.

Nominal cross sectional area mm²	Current carrying capacity according to method of installation: Single cable free in air A	Single cable on a surface A	Two loaded cables touching,on a surface A
1,5	30	29	24
2,5	41	39	33
4	55	52	44
6	70	67	57
10	98	93	79
16	132	125	107
25	176	167	142
35	218	207	176
50	276	262	221
70	347	330	278
95	416	395	333
120	488	464	390
150	566	538	453
185	644	612	515
240	775	736	620

Ambient temperature:60°C(see Table A.4 for other ambient temperatures) max. conductor temperature: 120°C.

NOTE The expected period of use at a max.conductor temperature of 120 C and at a max.ambienttemperature of 90 °C is limited to 20 000 h.

PRODUCT MIX

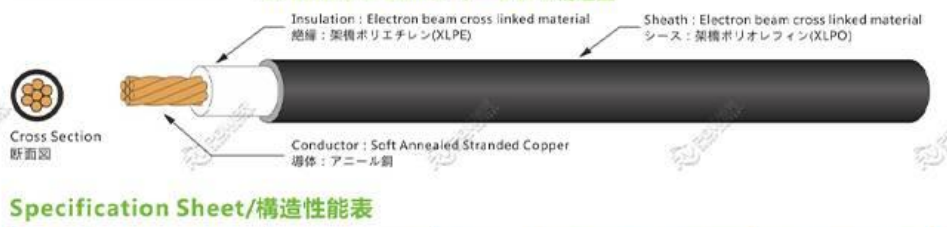
S-JET Approved PV-CQ Solar Cable

Approvals 製品認証

S-JET Certificate JCS 4517:2015

1x2mm²~1x38mm² Solar PV Cable

Structure of Cable ケーブルの構造図


Insulation : Electron beam cross linked material
絶縁：架橋ポリエチレン(XLPE)
Sheath : Electron beam cross linked material
シース：架橋ポリオレフィン(XLPO)
Cross Section
断面図
Conductor : Soft Annealed Stranded Copper
導体：アニール銅

Specification Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/mm)	Conductor Stranded 導体仕上がり外径 OD.(mm)	Finished Cable 仕上がり品外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Current Carrying Capacity 許容電流 at 60℃(Amp)
1×2.0	7/0.6	1.8	5.6	9.24	32A
1×3.5	7/0.8	2.4	6.2	5.20	45A
1×5.0	7/1.0	3.0	6.8	3.33	60A
1×8.0	7/1.2	3.4	7.6	2.29	76A
1×14.0	7/1.6	4.4	8.6	1.31	105A
1×22.0	7/2.0	5.5	10.5	0.832	140A
1×38.0	7/2.6	7.30	12.5	0.481	200A

The current-carring capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

Marking/マーキング (3.5mm²)

JET DC 1500V PV-CQ 3.5mm² Solar PV Cable

Technical Specification:		技術データー	
Rated Voltage:	DC 1500V	定格電圧：	直流 DC 1500V
Test Voltage:	AC 6.5KV,50HZ,5Min	試験電圧：	交流 6.5KV,50HZ，5分
Minimum Insulation Resistance	1000MΩ/KM	最小絶縁抵抗20℃ (MΩ/KM)：	1000MΩ/KM
Ambient Temperature:	-40℃ upto +90℃	環境温度	-40℃ ～ +90℃
Max.Permissible Operating Temperature of Conductor:	+120℃	導体最高温度：	+120℃
Max.Conductor Temperature in short circuit:	+200℃ 5Second	短路使用温度：	+200℃ 5秒
Bending Radius:	Fixed installation > 4D, Occasionally moved > 5D	曲げ半径：	固定インストール > 4D, 同または移動インストール > 5D
Fire-resistant Test:	JIS C 3665-1-2	耐火試験：	JIS C 3665-1-2
Low-Temperature Test:	JIS C 3005	低温試験：	JIS C 3005
Weathering/UV-resistance Test:	JIS K 7350-1、2	耐紫外線試験：	JIS K 7350-1、2
Smoke Emission:	JIS C 3666-2	気体放出：	JIS C 3666-2
Approvals:	JCS 4517: 2015	執行標準：	JCS 4517: 2015

Solar Extension Cable 片端延長線

Function 用途

Photovoltaic system components extend in cable and junction box connected the cable to install the MC4 Connector.

太陽光発電システムでケーブルとジャンクションボックスのコンポーネントが延長することができます。

Standard Length 標準長さ

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m

Other length also can be supplied

他の長さを提供できます。

Solar Junction Cable 両端延長線

Function 用途

On both ends of the cable ,to install the MC4 Connector

ケーブルの両端にMC4コネクタを加工します。

Standard Length 標準長さ

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m

Other length also can be supplied

他の長さを提供できます。

TÜV PV1-F Solar Cable

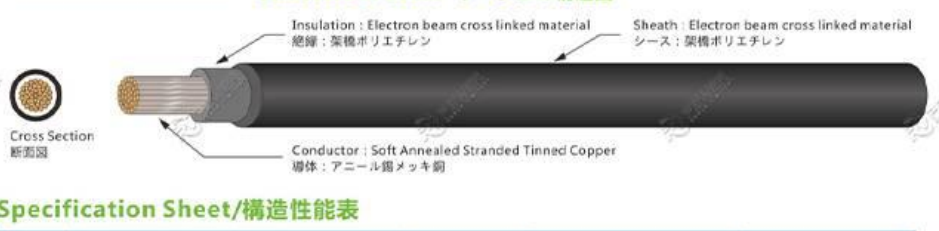
Approvals 製品認証

TÜV Rheinland 2 PfG 1169 PV1-F

1x1.5mm²~1x120mm² Solar PV Cable

- BAUART GEPRUFT
- TYPE APPROVED

Structure of Cable ケーブルの構造図


Insulation : Electron beam cross linked material
絶縁：架橋ポリエチレン
Sheath : Electron beam cross linked material
シース：架橋ポリエチレン
Cross Section
断面図
Conductor : Soft Annealed Stranded Tinned Copper
導体：アニール錫メッキ銅

Specification Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/mm)	Conductor Stranded 導体仕上がり外径 OD.(mm)	Finished Cable 仕上がり品外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Current Carrying Capacity 許容電流 at 60℃(Amp)
1×1.5	30/0.25	1.58	4.90	13.30	30A
1×2.5	50/0.25	2.02	5.45	7.98	41A
1×4.0	56/0.28	2.60	6.10	5.09	55A
1×4.0	52/0.30	2.50	4.85	5.09	52A
1×6.0	84/0.28	3.15	7.00	3.39	70A
1×6.0	78/0.30	3.06	5.55	3.39	67A
1×10.0	84/0.40	4.56	9.00	1.95	98A
1×16.0	228/0.30	5.60	10.20	1.24	132A
1×25.0	361/0.30	6.95	12.00	0.795	176A
1×35.0	525/0.30	8.74	13.80	0.565	218A
1×50.0	720/0.30	9.20	14.80	0.393	280A
1×70.0	988/0.30	11.00	16.90	0.277	350A
1×95.0	1349/0.30	12.50	18.70	0.21	410A
1×120.0	1691/0.30	14.20	20.70	0.164	480A

The Current Carrying Capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

Marking/マーキング(4.0mm²)

TüV 2 PfG 1169 PV1-F 1*4.0mm² Solar PV Cable

Technical Specification :		技術データー	
Rated Voltage:	Uo/U=600/1000V（AC）/1000V/1800V (DC)	定格電圧：	交流 Uo/U =600/1000V,直流1800V
Test Voltage:	AC 6.5KV,50HZ,5Min	試験電圧：	交流 6.5KV,50HZ，5分
Ambient Temperature:	-40℃ upto +90℃	環境温度：	-40℃ ～ +90℃
Max.Permissible Operating Temperature of Conductor:	+120℃	導体最高温度：	+120℃
Max.Conductor Temperature in short circuit :	+250℃ 5Second	短路使用温度：	+250℃ 5秒
Bending Radius:	(D<8mm)≥4*D, (D≥8mm)≥6*D	曲げ半径：	(D<8mm)≥4*D, (D≥8mm)≥6*D
Fire-resistant Test:	IEC 60332-1	耐火試験：	IEC 60332-1
Low-Temperature Test:	EN60811-1-4	低温試験：	EN60811-1-4
Weathering/UV-resistance Test:	HD605/A1	耐紫外線試験：	HD605/A1
Smoke Emission:	IEC61034,EN50268-2	気体放出：	IEC61034,EN50268-2
Approvals:	TUV 2PfG 1169/08.2007 PV1-F	執行標準：	TUV 2PfG 1169/08.2007 PV1-F

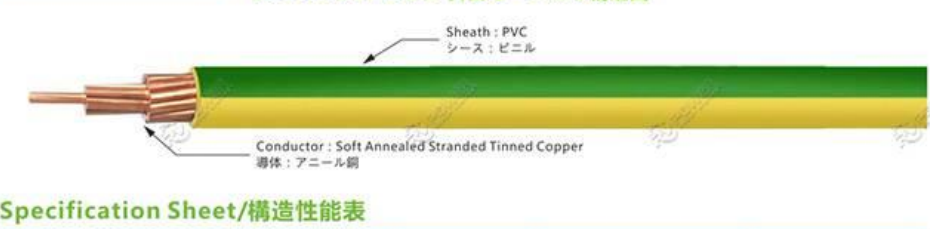
CE Approved Grounding Cable (Earth Cable)

Approvals 製品認証

CE Certificate IEC 60227 Standard

1x2.5mm²~1x70mm² Earth Cable

Structure of Cable 日文 ケーブルの構造図



Specification Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/m)	Insulation Thickness 絶縁厚さ (mm)	Finished Cable OD. 仕上がり品外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Current Carrying Capacity 許容電流 at 60℃(Amp)
1×2.5	49/0.25	0.8	4.1±0.2	7.41	28 A
1×2.5	7/0.68	0.8	4.1±0.2	7.41	28 A
1×4.0	56/0.30	0.8	4.8±0.2	4.61	38 A
1×4.0	7/0.85	0.8	4.8±0.2	4.61	38 A
1×6.0	84/0.30	0.8	6.3±0.2	3.08	48 A
1×6.0	7/1.04	1.0	6.3±0.2	3.08	48 A
1×10.0	80/0.40	1.0	7.6±0.2	1.83	65 A
1×10.0	7/1.35	1.0	6.8±0.2	1.83	65 A
1×16.0	49/0.64	1.0	8.1±0.2	1.15	90 A
1×25.0	98/0.58	1.2	10.2±0.2	0.73	115 A
1×35.0	133/0.58	1.2	11.7±0.2	0.524	145A
1×50.0	133/068	1.4	13.9±0.2	0.378	170A
1×70.0	189/0.68	1.4	16.0±0.2	0.268	220A

The current-carring capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

Marking/マーキング (4mm²)

SOLAR EARTH CABLE +Meter Mark

Technical Specification :		技術データー	
Rated Voltage:	AC 450/750V	定格電圧：	交流 AC 450/750V
Test Voltage:	2500V	試験電圧：	2500V
Insulation material:	Yellow & Green Stripe PVC	絶縁材料	黄緑ストライプ PVC
Ambient Temperature:	70℃,90℃	環境温度：	70℃,90℃
Fire-resistant Test:	50265-2-1	耐火試験	50265-2-1
Environmental Test:	ROHS	環保試験	ROHS
Approvals:	HD 21.5 S3	執行標準	HD 21.5 S3
Application:	Use for general electric equipment internal wiring	応用	一般的な電気機器の内部配線に使用する

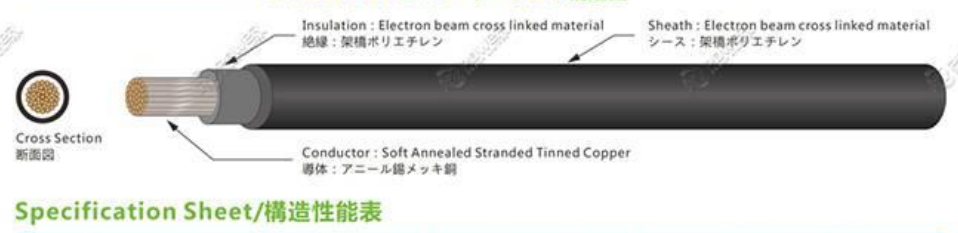
UL Approved Solar Cable

Approvals 製品認証

18AWG ~ 4/0AWG UL4703 PV Wire

- BAUART GEPRUFT
- TYPE APPROVED

Structure of Cable ケーブルの構造図


Insulation : Electron beam cross linked material
絶縁：架橋ポリエチレン
Sheath : Electron beam cross linked material
シース：架橋ポリエチレン
Cross Section
断面図
Conductor : Soft Annealed Stranded Tinned Copper
導体：アニール錫メッキ銅

Specification Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/mm)	600V Finished Cable 仕上がり外径 OD.(mm)	1000V&2000V Finished Cable 仕上がり外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Nominal Area (mm²) 標称截面
18	16/0.254	4.25	5.00	23.2	0.823
16	26/0.254	4.55	5.30	14.6	1.31
14	41/0.254	4.95	5.70	8.96	2.08
12	65/0.254	5.40	6.20	5.64	3.31
10	105/0.254	6.20	6.90	3.546	5.261
8	168/0.254	7.90	8.40	2.23	8.367
6	266/0.254	9.80	10.30	1.403	13.3
4	420/0.254	11.70	11.70	0.882	21.15
2	665/0.254	13.30	13.40	0.5548	33.62
1	836/0.254	15.20	16.10	0.4398	42.41
1/0	1045/0.254	17.00	17.10	0.3487	53.49
2/0	1330/0.254	17.90	18.50	0.2766	67.43
3/0	1672/0.254	19.50	20.0	0.2194	85.01
4/0	2109/0.254	21.20	21.80	0.1722	107.2

The current-carring capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

Marking/マーキング(12AWG)

(UL) UL4703 PV Wire 12AWG 90℃ WET OR DRY 1000V OR 2000V SUN RES-40℃ Solar PV Cable

Technical Specification:		技術データー	
Rated Voltage:	Uo/U=600V（AC）/Uo/U=1000/2000V (AC)	定格電圧：	交流 Uo/U =600V,AC 1000V&2000V
Test Voltage:	U=600V 18~10AWG Uo=3KV,50HZ,1Min 8~2AWG Uo=3.5KV,50HZ,1Min 1~4/0AWG Uo=4.0KV,50HZ,1Min U=1000V/2000V 18~10AWG Uo=6KV,50HZ,1Min 8~2AWG Uo=7.5KV,50HZ,1Min 1~4/0AWG Uo=9KV,50HZ,1Min	試験電圧：	U=600V 18~10AWG Uo=3KV,50HZ,1Min 8~2AWG Uo=3.5KV,50HZ,1Min 1~4/0AWG Uo=4.0KV,50HZ,1Min U=1000V/2000V 18~10AWG Uo=6KV,50HZ,1Min 8~2AWG Uo=7.5KV,50HZ,1Min 1~4/0AWG Uo=9KV,50HZ,1Min
Ambient Temperature:	-40℃ upto +90℃	環境温度：	-40℃ ～ +90℃
Max.Permissible Operating Temperature of Conductor :	+120℃	導体最高温度：	+120℃
Fire-resistant Test:	UL1581 VW-1	耐火試験：	UL1581 VW-1
Low-Temperature Test:	UL854	低温試験：	UL854
Weathering/UV-resistance Test:	UL2556	耐紫外線試験：	UL2556
Smoke Emission:	IEC 61034 ,EN50268-2	気体放出：	IEC 61034 ,EN50268-2
Approvals:	UL4703 PV Wire ,UL854 USE-2	執行標準：	UL4703 PV Wire ,UL854 USE-2

EN 50618 H1Z2Z2-K Solar Cable

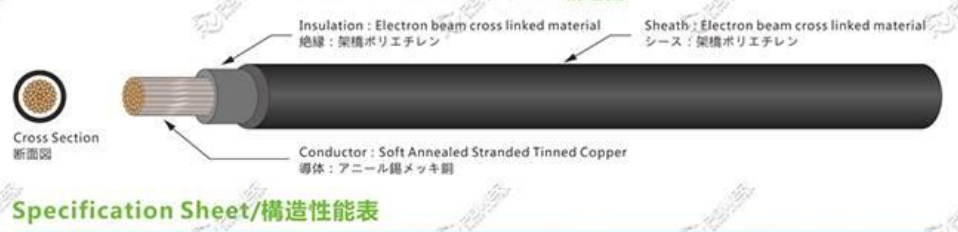
Approvals 製品認証

TÜV Rheinland EN 50618 IEC62930 H1Z2Z2-K

1x1.5mm²~1x240mm² Solar PV Cable

- BAUART GEPRUFT
- TYPE APPROVED

Structure of Cable ケーブルの構造図


Insulation : Electron beam cross linked material
絶縁：架橋ポリエチレン
Sheath : Electron beam cross linked material
シース：架橋ポリエチレン
Cross Section
断面図
Conductor : Soft Annealed Stranded Tinned Copper
導体：アニール錫メッキ銅

Specification Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/mm)	Conductor Stranded 導体仕上がり外径 OD.(mm)	Finished Cable 仕上がり品外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Current Carrying Capacity 許容電流 at 60℃(Amp)
1×1.5	30/0.25	1.58	4.6	13.7	30A
1×2.5	50/0.25	2.04	5.0	8.21	41A
1×4.0	56/0.30	2.35	5.5	5.09	52A
1×6.0	78/0.30	3.05	6.2	3.39	70A
1×10.0	80/0.40	4.60	7.4	1.95	98A
1×16.0	128/0.40	5.60	9.2	1.24	132A
1×25.0	196/0.40	6.95	11.3	0.795	176A
1×35.0	276/0.40	8.30	13.3	0.565	218A

The current-carring capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

Marking/マーキング(4.0mm²)

TüV EN50618 DC1500V H1Z2Z2-K 1×4.0mm² Solar PV Cable

Technical Specification :		技術データー	
Rated Voltage:	DC 1500V	定格電圧：	直流 DC 1500V
Test Voltage:	AC 6.5KV,50HZ,5Min	試験電圧：	交流 6.5KV,50HZ，5分
Ambient Temperature:	-40℃ upto +90℃	環境温度：	-40℃ ～ +90℃
Max.Permissible Operating Temperature of Conductor :	+120℃	導体最高温度：	+120℃
Max.Conductor Temperature in short circuit:	+250℃ 5Second	短路使用温度：	+250℃ 5秒
Bending Radius:	(D<8mm)≥4*D, (D≥8mm)≥6*D	曲げ半径：	(D<8mm)≥4*D, (D≥8mm)≥6*D
Fire-resistant Test:	IEC 60332-1	耐火試験：	IEC 60332-1
Low-Temperature Test:	EN60811-1-4	低温試験：	EN60811-1-4
Weathering/UV-resistance Test:	HD605/A1	耐紫外線試験：	HD605/A1
Smoke Emission:	IEC61034,EN50268-2	気体放出：	IEC61034,EN50268-2
Approvals:	TUV EN 50618:2014	執行標準：	TUV EN 50618:2014

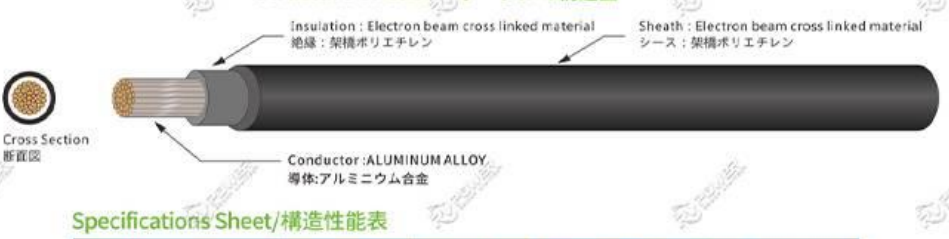
TUV PV 1500DC-AL SOLAR CABLE

Approvals 製品認証

TUV 2PfG 2642/11.17 1X1.5mm²~1X240mm²

SOLAR PV CABLE

Structure of Cable ケーブルの構造図


Insulation : Electron beam cross linked material
絶縁：架橋ポリエチレン
Sheath : Electron beam cross linked material
シース：架橋ポリエチレン
Cross Section
断面図
Conductor :ALUMINUM ALLOY
導体:アルミニウム合金

Specifications Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/mm)	Conductor Stranded 導体仕上がり外径 OD.(mm)	Cable 仕上がり品外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Current Carring Capacity 許容電流(Amp) at 60℃(A)
1×2.5	34/0.30	2.04	5.2	13.4	35
1×4	56/0.30	2.60	5.8	8.10	47
1×6	84/0.30	3.20	6.5	6.59	60
1×10	7/1.35	3.80	7.3	3.08	115
1×16	7/1.7	4.80	8.7	1.91	150
1×25	7/2.14	6.00	10.5	1.2	192
1×35	7/2.49	7.00	11.8	0.868	230
1×50	19/1.8	8.30	13.5	0.641	271
1×70	19/2.16	10.00	15.2	0.443	333
1×95	19/2.53	11.60	17.2	0.32	398
1×120	37/2.03	13.00	18.6	0.253	454
1×150	37/2.27	14.50	20.5	0.206	501
1×185	37/2.53	16.20	23.0	0.164	569
1×240	61/2.26	18.50	25.8	0.125	660

The current-carring capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

マーキング/Marking (4.0mm²)

TÜV 2Pfg 2642 PV1500DC-AL 1×**mm² -40°C to +90°C HALOGEN FREE LOW SMOKE

Technicue Specification:		技術データー	
定格電圧：	直流1500V	定格電圧：	直流1500V
テスト電圧:	交流6.5KV,50HZ，5分	テスト電圧：	AC 6.5KV,50HZ,5Min
環境温度:	-40℃～+90℃	環境温度:	-40℃upto +90℃
導体最高温度:	+120℃	導体最高温度:	+120℃
短路使用温度:	+250℃5秒	短路使用温度:	+250℃5Second
曲げ半径:	12×D	曲げ半径:	12×D
耐火テスト:	IEC 60332-1	耐火テスト:	IEC 60332-1
低温テスト:	EN60811-1-4	低温テスト:	EN60811-1-4
耐紫外線テスト:	HD605/A1	耐紫外線テスト:	HD605/A1
気体放出:	En50396	気体放出:	En50396
執行標準:	TUV 2PfG 2642/11.17	執行標準:	TUV 2PfG 2642/11.17

TÜV PV1-F Solar Cable

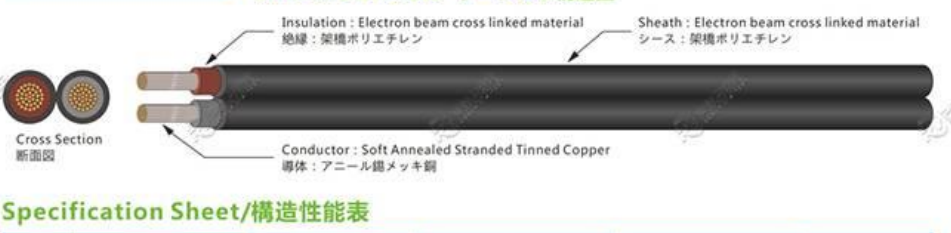
Approvals 製品認証

TÜV Rheinland 2 PfG 1169 PV1-F

2x1.5mm²~2x16mm² Solar PV Cable

- BAUART GEPRUFT
- TYPE APPROVED

Structure of Cable ケーブルの構造図


Insulation : Electron beam cross linked material
絶縁：架橋ポリエチレン
Sheath : Electron beam cross linked material
シース：架橋ポリエチレン
Cross Section
断面図
Conductor : Soft Annealed Stranded Tinned Copper
導体：アニール錫メッキ銅

Specification Sheet/構造性能表

Size 規格 (n/mm²)	Conductor Construction 導体構造 (n/mm)	Conductor Stranded 導体仕上がり外径 OD.(mm)	Conductor Max DC Resistance 最大導体抵抗 at 20℃ (Ω/KM)	Current Carrying Capacity 許容電流 at 60℃(Amp)	Approx Weight 重量 (Kg/Km)
2×1.5	30/0.25	4.8*11	13.3	30 A	72
2×2.5	50/0.25	5.3*12	7.98	41 A	94
2×4.0	56/0.28	6.1*13.5	5.09	55 A	142
2×4.0	52/0.30	4.85*10.5	5.09	52 A	130
2×6.0	84/0.28	7.1*15.5	3.39	70 A	200
2×6.0	78/0.30	5.55*11.6	3.39	67 A	180
2×10.0	84/0.40	8.5*18.7	1.95	98 A	290
2×10.0	74/0.40	7.5*15.2	1.95	86 A	260
2×16.0	128/0.40	9.6*19.8	1.24	132 A	430

The Current Carrying Capacity is under the situation of laying the single cable in air.

**この許容電流は単芯ケーブルを空気中に置く状況下にあります。

Marking/マーキング (2*4.0mm²)

TüV 2 PfG 1169 PV1-F 2*4.0mm² Solar PV Cable

Technical Specification :		技術データー	
Rated Voltage:	Uo/U=600/1000V（AC）/1000V/1800V (DC)	定格電圧：	交流 Uo/U =600/1000V,直流1800V
Test Voltage:	AC 6.5KV,50HZ,5Min	試験電圧：	交流 6.5KV,50HZ，5分
Ambient Temperature:	-40℃ upto +90℃	環境温度：	-40℃ ～ +90℃
Max.Permissible Operating Temperature of Conductor :	+120℃	導体最高温度：	+120℃
Max.Conductor Temperature in short circuit :	+250℃ 5Second	短路使用温度：	+250℃ 5秒
Bending Radius:	(D<8mm)≥4*D, (D≥8mm)≥6*D	曲げ半径：	(D<8mm)≥4*D, (D≥8mm)≥6*D
Fire-resistant Test:	IEC 60332-1	耐火試験：	IEC 60332-1
Low-Temperature Test:	EN60811-1-4	低温試験：	EN60811-1-4
Weathering/UV-resistance Test:	HD605/A1	耐紫外線試験：	HD605/A1
Smoke Emission:	IEC61034,EN50268-2	気体放出：	IEC61034,EN50268-2
Approvals:	TUV 2PfG 1169/08.2007 PV1-F	執行標準：	TUV 2PfG 1169/08.2007 PV1-F

CONTROL MULTI WIRE

2.5mm² / 4mm² / 6mm²
High-precision oxygen-free refined copper
Halogen-free radiation-crosslinked insulating sheath material
High flexibility, not easy to break

DETAIL DISPLAY

ONE

100%Brand new and high quality

TWO

Double sealing ring for better waterproof effect

THREE

Compatible with photovoltaic cables with different insulation diameters

FOUR

High temperature resistance and fire resistance

FIVE

High current and high voltage load capacity

OIL RESISTANT

FLAE RESISTANT

HALOGEN FREE

COLD RESISTANT

ABRASION RESISTANT

OZONE RESISTANT

UV RESISTANT

MICROBE RESISTANT

MUD RESISTANT

WATER RESISTANT

strong
×
durable

FAQ

1. What is your MOQ

Usually our MOQ is 500 meter , But we can accept lower quantity for your trial order (100 Meter)If common stock cables ,1 Meter is no problem

2. Can i get samples ?

Of course, Free Fee sample , You just be charged for shipping costs It will be also refunded when order is up to certain quantity

3. How long is the sample LEAD TIME ?

Of course, Free Fee sample , You just be charged for shipping costs It will be also refunded when order is up to certain quantity

4. Possible to Custom our logo ?

OEM and ODM are Acceptable ,Just send us your logo/design artwork or your detaied requests to us .

5. Do you provide the after-sales service ?

Yes, We will handle your problems if the goods have any quality isusse after received in 1 year

THANK YOU

FOR YOUR ATTENTION

LOOK FORWARD TO COOPERATING WITH YOU

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