



A4 A Series Al Cable Solar Connector

A4 A 系列铝线光伏连接器

A4 A Series Al Connector

DC 1500V, Al Cable Connector Suitable for aluminum solar cable connection



IEC 1500V / UL 1500V



IEC: 62852 / UL: 6703



-40 °C ~ 90 °C



UL94-V0



IP 68



UV Resistance

型号 TYPE	线缆规格 Cable Spec	线缆外径 OD	电压 Voltage	电流 Current
A4-A-F	6mm ² ~16mm ²	6.0mm~10mm	1500V	30A~60A
A4-A-M	6mm ² ~16mm ²	6.0mm~10mm	1500V	30A~60A



接组串或逆变器
To String or inverter



Solar Al Cable 光伏铝线



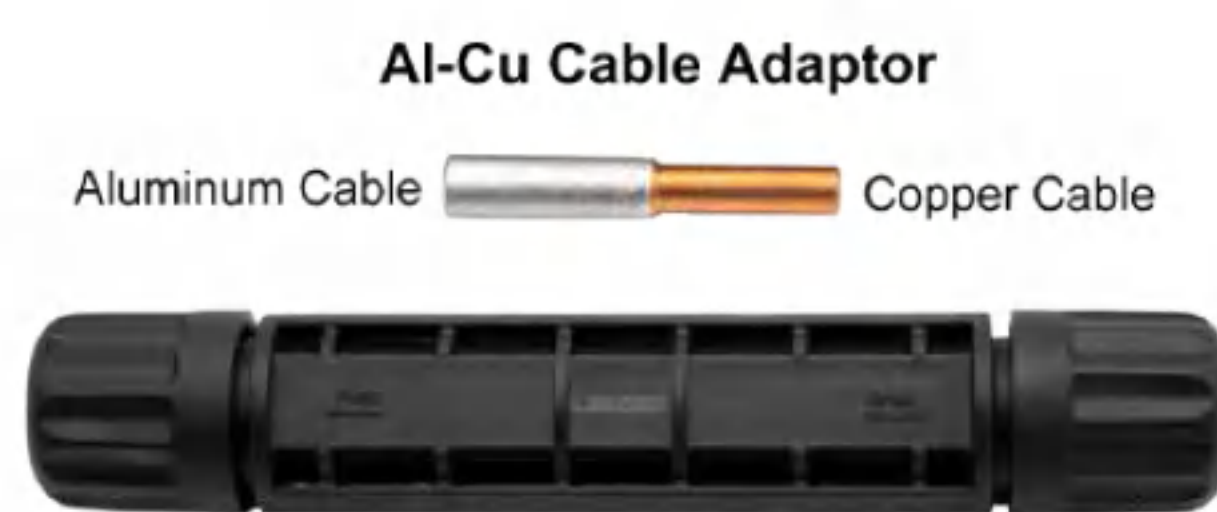
接组串或逆变器
To String or inverter

A6 A Series Al-Cu Cable Adaptor

A6 A 系列光伏铝线铜线转接器

A6-A Solar Al-Cu Adapter

Suitable for the connection of aluminum solar cables and copper solar cables



Al-Cu Cable Adaptor

Aluminum Cable Copper Cable



IEC 1500V / UL 1500V



IEC: 62852



-40 °C ~ 90 °C



UL94-V0



IP 68



UV Resistance

型号 TYPE	线缆规格 Cable Spec	线缆外径 OD	电压 Voltage	电流 Current
A6-A	2.5mm ² ~16mm ²	4.7mm~10mm	1500V	30A~60A



铜线 Copper Cable



铝线 Al Cable

IP 68 光伏铜铝线转接器

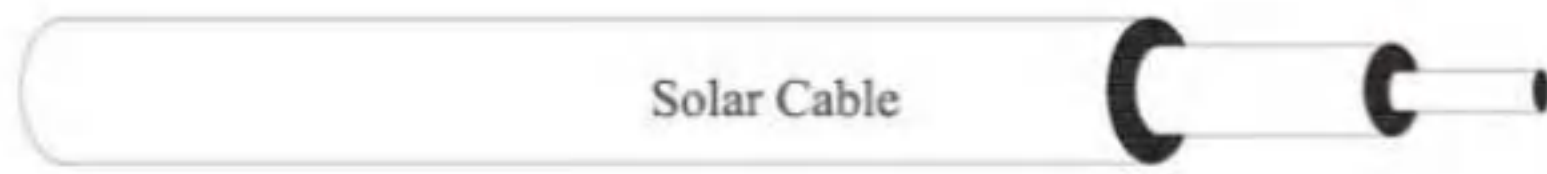
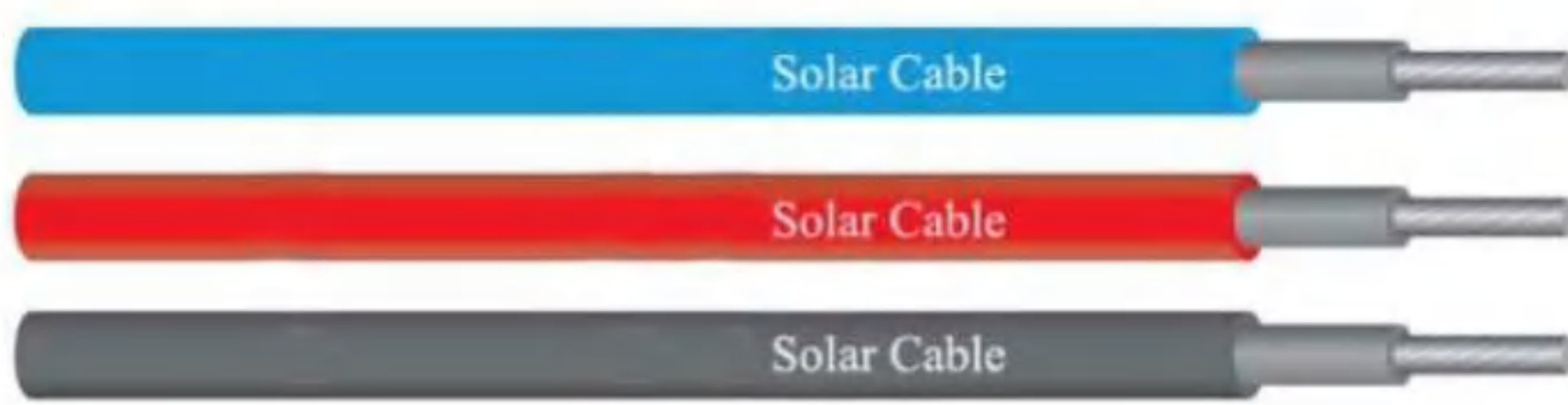
IP 68 Solar Al-Cu cable Adaptor

Remark 备注:

Al-Cu cable connectors use high quality weather resistance materials that guarantee long-term reliability. The products could match 2.5mm² to 16mm² cables, they could be widely used in different applications. They have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 90 °C.

铜铝连接器采用高品质绝缘耐候材料，可保障产品在户外长期安全使用。产品可适配 2.5 平方到 16 平方电线，具有更广的应用范围。铜铝系列连接器符合 IP68 额定标准，且能够工作在-40 °C 到 90 °C 极限环境。





- 3. Jacket: XLPE Halogen-free; UV resistant
- 2. Insulation: XLPE Halogen-free
- 1. Aluminum Conductor



1500V DC



100m~6000m



Low Smoke Zero Halogen



Excellent Chemical & Oil resistance



-40°C~+90°C



UV Resistance



IEC62930/EN50618



Specification

Conductor	Part No.	Cross Section	Conductor Construction	Resistance (Ω /km)@20°C	Testing Voltage A.C	Current Rating A@90°C	Approx Cable OD (mm)
Single Core Conductor	LDCA10-1	1X 6 mm ²	7/1.0	5.23	6.5kv	67	6.50
	LDCA10-1	1X 10 mm ²	7/1.35	3.08	6.5kv	125	7.30
	LDCA160-1	1X 16 mm ²	7/1.7	1.91	6.5kv	163	8.70
	LDCA250-1	1X 25 mm ²	7/2.14	1.20	6.5kv	210	10.50
	LDCA350-1	1X 35 mm ²	7/2.49	0.868	6.5kv	253	11.80
	LDCA500-1	1X 50 mm ²	19/1.8	0.641	6.5kv	300	13.50
	LDCA700-1	1X 70 mm ²	19/2.16	0.443	6.5kv	370	15.20
	LDCA950-1	1X 95 mm ²	19/2.53	0.320	6.5kv	444	17.20
	LDCA1200-1	1X 120 mm ²	37/2.03	0.253	6.5kv	507	18.60
	LDCA1500-1	1X 150 mm ²	37/2.27	0.206	6.5kv	558	20.50
	LDCA1850-1	1X 185 mm ²	37/2.53	0.164	6.5kv	639	23.00
	LDCA2400-1	1X 240 mm ²	61/2.26	0.125	6.5kv	741	25.80

Technical Data

Rated Voltage	DC 1500 V
Voltage test on completed cable	AC 6.5KV, 50Hz, 5min
Ambient temperature	-40°C up to +90°C
Short Circuit temperature	250°C, 5 min
Bending Radius	12 X OD
Acid and Alkali Resistant	EN60811-2-1
Ozone Resistant	EN50396-8.1.3
Life Period	≥ 25 years
Thermal endurance Test	EN60216-1, EN60216-2
UV Resistant	EN50289-4-17
Fire performance	IEC60332-1-2

Caution

The aluminum solar cable could not use traditional solar connector. Clients should choose varied terminals and their solar sealing products. Pls contact Fangbe sales team to get the solutions.





1500V DC



100m~6000m



Low Smoke Zero Halogen



Excellent Chemical & Oil resistance



-40°C~+90°C



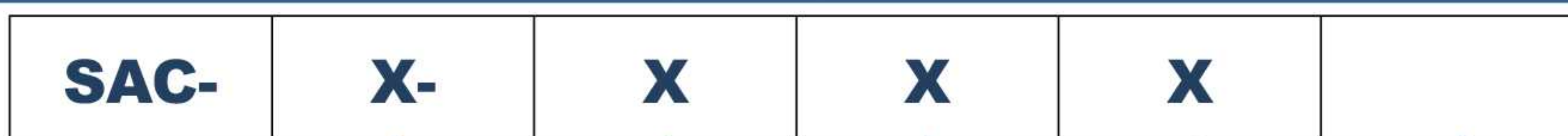
UV Resistance



IEC62930/EN50618



How to Order PV Al Cables (please choose one code per position, below)



SAC	Cable Cross Section	MPQ m	Spool	Cable Color	Variations
Solar Al Cable	<input type="checkbox"/> 6 mm ²	<input type="checkbox"/> 50 m	<input type="checkbox"/> P:Plastic Spool	<input type="checkbox"/> B:Black	<input type="checkbox"/> _____
	<input type="checkbox"/> 10mm ²	<input type="checkbox"/> 100 m	<input type="checkbox"/> W:Wood Spool	<input type="checkbox"/> R:Red	
	<input type="checkbox"/> 16 mm ²	<input type="checkbox"/> 250 m	<input type="checkbox"/> N:No Spool	<input type="checkbox"/> _____	
	<input type="checkbox"/> 25 mm ²	<input type="checkbox"/> 500 m	<input type="checkbox"/> _____		
	<input type="checkbox"/> 35 mm ²	<input type="checkbox"/> 1000 m			
	<input type="checkbox"/> 50 mm ²	<input type="checkbox"/> 2000 m			
	<input type="checkbox"/> 70 mm ²	<input type="checkbox"/> 6000 m			
	<input type="checkbox"/> 95 mm ²	<input type="checkbox"/> _____			
	<input type="checkbox"/> _____				

*Customized options available,for more information, please contact FANGBE sales team: sales@dgsfangbei.cn

Example:

SAC- 10mm²-500m-W-B means that the al cable is black 10mm² cable. 500m will be packaged in a wood spool.

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