



1500V DC



100m~6000m



Low Smoke Zero Halogen



Excellent Chemical
& Oil resistance



-40℃~90℃



UV Resistance



IEC62930/EN50618



Specification

Conductor	Part No.	Cross Section	Conductor Construction	Resistance (Ω /km)@20℃	Testing Voltage A.C	Current Rating A@90℃	Approx Cable OD (mm)
Single Core Conductor	NPCA10-1	1X 6 mm ²	7/1.0	3.08	6.5kv	125	7.30
	NPCA10-1	1X 10 mm ²	7/1.35	3.08	6.5kv	125	7.30
	NPCA160-1	1X 16 mm ²	7/1.7	1.91	6.5kv	163	8.70
	NPCA250-1	1X 25 mm ²	7/2.14	1.20	6.5kv	210	10.50
	NPCA350-1	1X 35 mm ²	7/2.49	0.868	6.5kv	253	11.80
	NPCA500-1	1X 50 mm ²	19/1.8	0.641	6.5kv	300	13.50
	NPCA700-1	1X 70 mm ²	19/2.16	0.443	6.5kv	370	15.20
	NPCA950-1	1X 95 mm ²	19/2.53	0.320	6.5kv	444	17.20
	NPCA1200-1	1X 120 mm ²	37/2.03	0.253	6.5kv	507	18.60
	NPCA1500-1	1X 150 mm ²	37/2.27	0.206	6.5kv	558	20.50
	NPCA1850-1	1X 185 mm ²	37/2.53	0.164	6.5kv	639	23.00
	NPCA2400-1	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℃ up to + 90℃
Short Circuit temperature	250℃, 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 verified terminals and their solar sealing products.

Pls contact NIU Power marketing team to get the solutions.





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

SAC-	X-	X	X	X	
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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 NIU Power sales team: Marketing@niu-power.com.

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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