

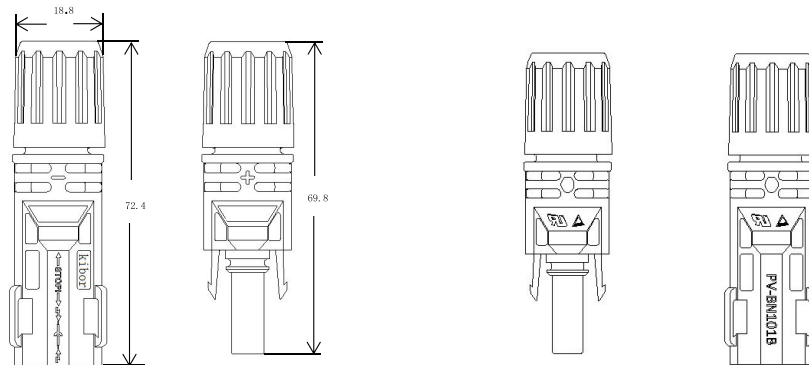


Meaningful Innovation.

WEEE Number: 80133970

INSTRUCTION MANUAL

SOLAR MC4 CABLE CONNECTOR



SKU

11413



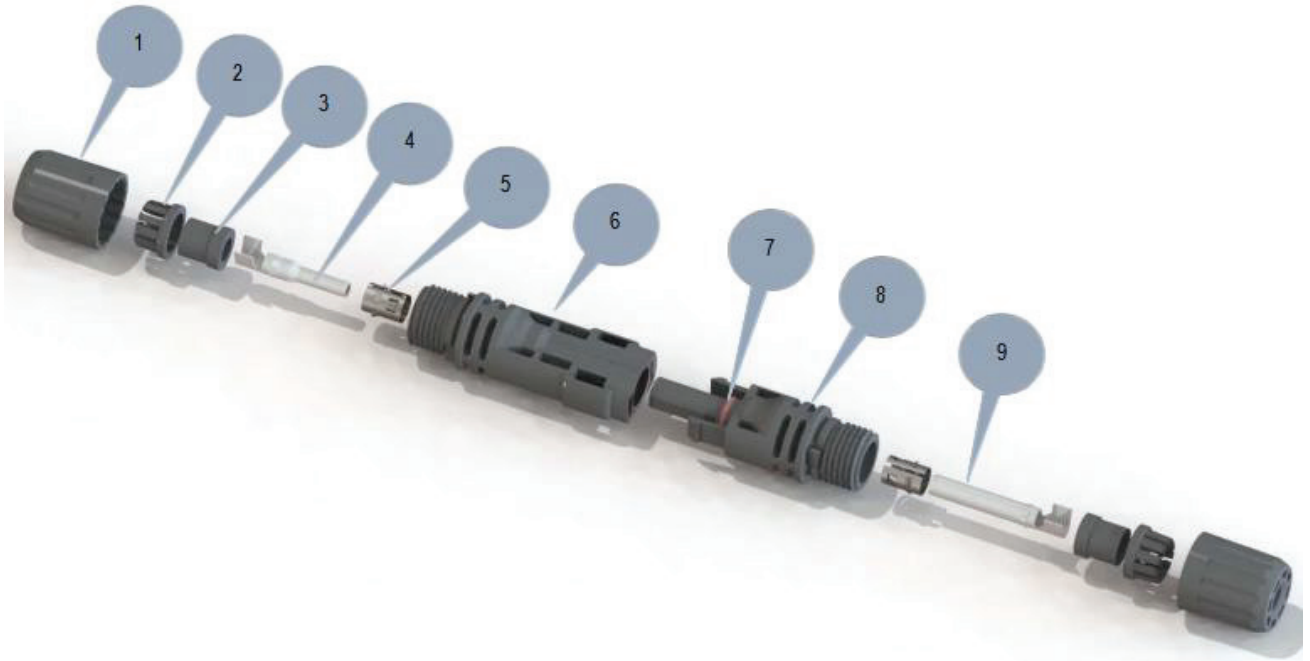
MULTI-LANGUAGE MANUAL QR CODE

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1. Products Overview



No.	Product Specifications	Quantity	Remark
1	Connector gland	2	
2	Cable clamp	2	
3	Cable clamp plug	2	
4	Metal negative pole	1	
5	Retreating circle	2	
6	Connector negative pole	1	
7	O Seal ring	1	
8	Connector Positive pole	1	
9	Metal Positive pole	1	

2. Technical Data

Type Name or Model No.	PV-BN101B
Rated Voltage (V DC)	1500V
Maximum operating current	30A
Rated Insulation Voltage	8000V
Degree of protection	IP67
Application Class	Class A
Protection Class / Pollution Degree	Class II / 2
Ambient Temperature	- 40°C to + 85°C
Upper Limit Temperature	100°C
Over Voltage Category	CAT III
Flammability Class	UL94 V-0/5VA
Wire Cross Section Area or Cross Section Range	1X4.0mm ² (12AWG) 1X6.0mm ² (10AWG)
Rewireable	No
Cable Diameter	5.5-7.2mm
Contact Resistance	≤0.5 mΩ
Contact material	Copper, tin plated
Insulation Material	m-PPE /PC/ PA66
Existence of an enclosure	Enclosed connector
Certification Standard	IEC 62852 Edition 1.0 2014-11;

3.Tools required



Cable Cutter



Strip Pliers



Crimp Pliers



Connector Spanner

4. Installation Instruction



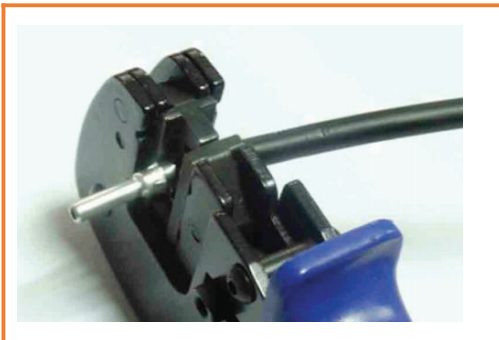
1. Cut Cable.
Cutting out the specified length of cable by cable cutters.

Tips:
Please ensure the smooth section on cable



2. Strip Cable.
Stripping the insulating layer of cable by strip piers .

Tips:
1.Strip cable insulation L=7~8mm
2.Be attention and not to cut off the wire core.



3. Crimp terminal.
Insert the striped cable end until the insulation comes up against the crimp insert.

Tips:
1.Cable core should not exposed too long.
2.Crimped metal parts and cable pull tension $\geq 310N$



4. Assemble.
Push the pin and contact into the Pre-assembled plug and pre-assembled socket properly until they engage.

Tips:
Do not insert the pin to the Pre-assembled socket .
Do not insert the contact to the Pre-assembled plug .



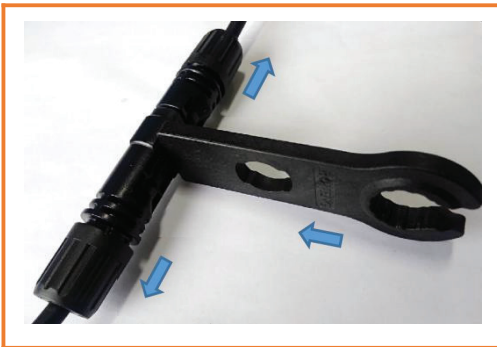
5. Install the cable gland.
First screw it by hands, then lock tight by connector spanner.

Tips:
The gap between the body should be controlled within 0.5~1.2mm.



6. The male and female connector pair of insertion until it engages, this step can check correct engagement.

Tips:
1. Plug the parts of the cable coupler together until they click in place.
2. Check that they have engaged properly by pulling on the cable coupler.



7. Unplugging
The cable coupler can be disconnected only with the connector spanner.

Tips:
Press the latches (X) together with the connector spanner and pull the halves of the coupler apart.

6.Cable routing

Refer to cable manufactures specification for minimum bending radius.



Right



Wrong