http://www.yepvsupply.com

PV 4.0 Cable Connector

4CN/4CP

It is applied to the interconnection among various components of the photovoltaic system, such as combiner boxes, controllers, inverters, etc.



■ Reliable performance

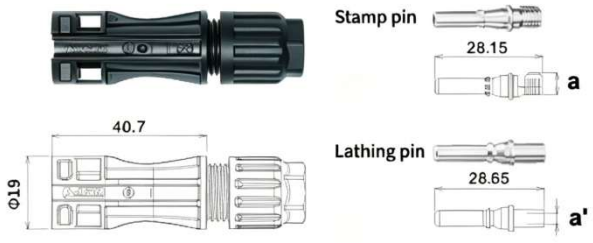
IP68 | UV-resistant | ⩽0.25mΩ | -40°C~85°C | Self-locking mechanism | UL94-V0 | Strong compatibility | PPE/PA

Product parameters

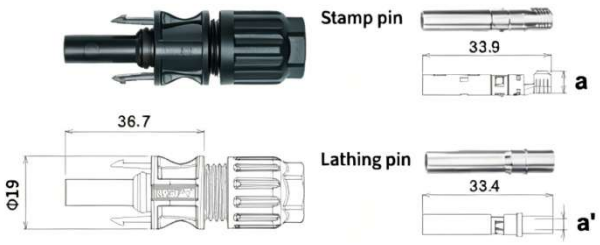
Insulation material	PPE/PA	Safety degree	II
Rated voltage	1500VDC	Flame class	UL94-V0
Rated Impulse voltage	16KV	Installation type	Outdoor,UV resistant(F1)
Test voltage	8KV(50Hz,1min)	Ambient temperature range	-40°C.. +85°C(IEC)
Contact resistance	≤ 0.25 mΩ	Suitable cable cross sections	1.5-16mm²/16-6AWG
Contact material	Copper,Tin plated	Connecting system	Crimp connection
Degree of protection	IP68(1m,1H)	Nut cap locking force	1.5-1.8Nm
Overvoltage category Pollution degres	CATIII/2	Upper limiting temperature	110°C(IEC)
Regulatory approval	TUVICE(IEC62852.2014)		

Product size

MaleConnector 4CN-15

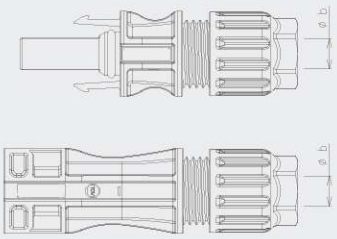


FemaleConnector 4CP-15



Female	Male	Current	Terminal hole value		Cable Size	Ceiticate
Part No.		Amps	a	a'		
4CP25	4CN25	35	4.05	Ø2.1	1.5/2.5mm² / 16/14AWG	TUV
4CP40	4CN40	35	5.8	Ø2.8	4.0/6.0mm²&10/12AWG	TUV
4CP60	4CN60	35	5.8	Ø3.4	4.0/6.0mm²&10/12AWG	TUV
4CP100	4CN100	60	7.9	Ø 4.5	10.0mm²& 8AWG	TUV
4CP160	4CN160	60	--	Ø 5.6	16.0mm2& 6AWG	

Suitable cable cross sections

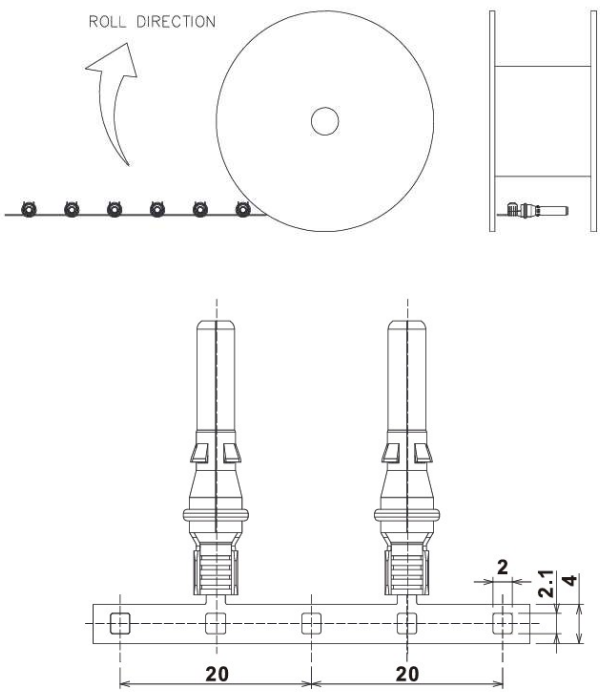


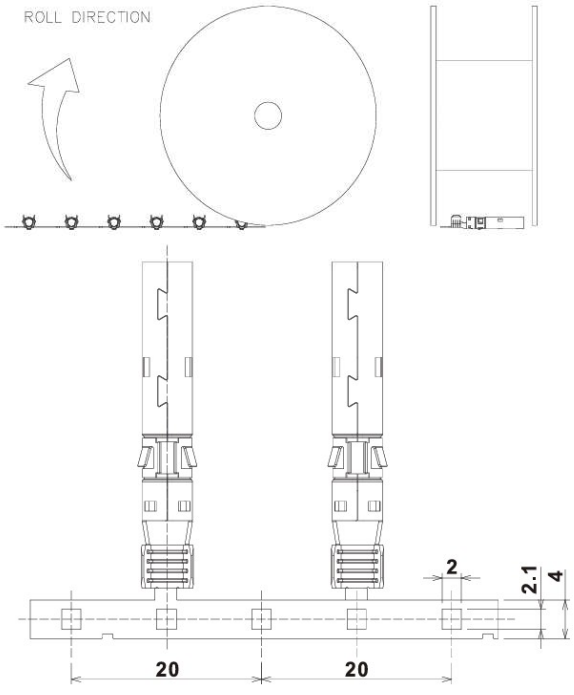
Seal Grommet "b" (mm)	Cable O.D. (mm)	Cable Size(mm²)
6.6	5.0-6.6	2.5, 4.0, 6.0
7.2	6.7-7.2	6.0, 10.0
8.2	7.3-8.2	10.0
9.5	8.3-9.5	10.0-16 *

Terminal part number

Female terminal	Female terminal	Secificate	
Part No.	Part No.	Terminal type	Cable Size
4CNTS2501-01	4CPTS2501-01	Stamping pin	1.5-2.5mm²/16-14AWG
4CNTS4001-01	4CPTS4001-01		4.0-6.0mm²/12-10AWG
4CNTS1001-01	4CPTS1001-01		10.0mm²/8AWG
4CNTL2501-01	4CPTL2501-01	Lathing pin	2.5mm²/14AWG
4CNTL4001-01	4CPTL4001-01		4.0mm²/12AWG
4CNTL6001-01	4CPTL6001-01		6.0mm²/10AWG
4CNLA101-01	4CPLA101-01		10.0mm²/8AWG
4CNLA161-01	4CPLA161-01		16.0mm²/6AWG

Stamping male pin	Stamping female pin
650×200×40mm	650×200×45mm





Installation tool

Wrench tool	Crimp Tool	Wire Stripper
		

Packaging information

料号	Quantity per bag		Quantity per box		Weight per box
	Connector	Terminal	Connector	Terminal	
4CN+4CNTS2501-01	200	200	200×8	200×8	10.7KG
4CP+4CPTS2501-01					10.7KG
4CN+4CNTS4001-01					10.7KG
4CP+4CPTS4001-01					10.7KG
4CN+4CNTS1001-01					10.7KG
4CP+4CPTS1001-01					10.7KG
4CN+4CNTL2501-01					10.7KG
4CP+4CPTL2501-01					10.7KG
4CN+4CNTL4001-01					10.7KG
4CP+4CPTL4001-01					10.7KG
4CN+4CNTL6001-01					10.7KG
4CP+4CPTL6001-01					10.7KG
4CN+4CNLA101-01					10.7KG
4CP+4CPLA101-01					10.7KG

Carton size	Pallet size
 The outer box label is affixed to the label frame on this side	 **Air transport** Pallet size: 1*1.2*1.55M; 8 cases per layer *4 layers totaling 32 cases  **Maritime transport** Pallet size: 1*1.2*1.9M; 8 cases per layer *5 layers totaling 40 cases

Product selection

Type	Cable Cross Section	Cable OD	Terminals Package	Terminal style	Variations
Solar Cable Connector	☐ 2.5mm² (14Awg)	☐ F1: 4.7~6.0mm	☐ Stamp pin	☐ R: Roll	☐ _____
	☐ 4-6mm² (12-10Awg)	☐ F2: 5.6~6.9mm	☐ Lathing pin	☐ P: Bulk	_____
	☐ 10mm² (8Awg)	☐ F6: 6.9~8.5mm	☐ _____	☐ _____	
	☐ 16mm² (6Awg)	☐ _____			
	☐ _____				

*Customization is available upon request. For more information, please contact us.