

PV Cable Connector: PV-JK03M series

Male and female connector

PV-JK03M-M / xy (IEC)
PV-JK03M-M / xyab (UL)

PV-JK03M-F / xy (IEC)
PV-JK03M-F / xyab (UL)

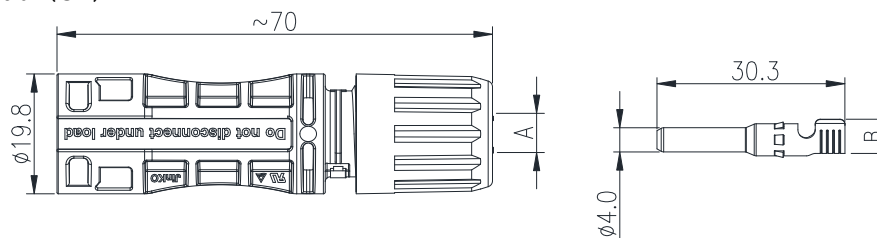


Technical Data

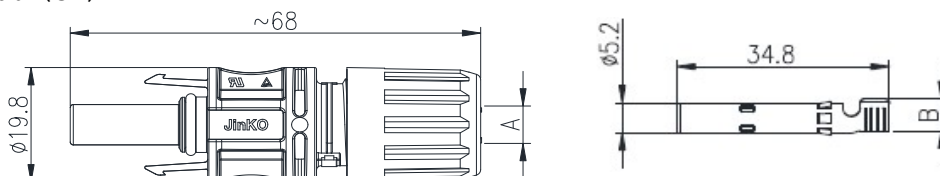
Rated Voltage	1000V DC / 1500V DC (IEC) 1000V DC / 1500V DC (UL)
Rated Current (IEC 85 °C)	30A (2.5mm ² ; 14AWG) 45A (4.0mm ² ; 12AWG) 50A (6.0mm ² ; 10AWG) 60A (10.0mm ² ; 8AWG)
Operating Temperature Range	-40 °C ~ +85 °C
Upper Limiting Temperature	105 °C (IEC)
Degree of Protection, mated	IP65 / IP68 (1m, 2h) in mated condition
Degree of Protection, unmated	IP2X in unmated condition
Application Class	Class A
Over Voltage Category / Pollution Degree	Class III / 2
Contact Resistance	≤ 0.3mΩ
Protection Class	CAT II
Terminal Connection	Crimping
Contact Material	Copper, tin plated
Insulation Material	m-PPE / PC / PA
Flame Class	UL94 V-0
Certification Standard	IEC 62852; UL6703

Dimension drawing

PV-JK03M-M / xy (IEC)
PV-JK03M-M / xyab (UL)

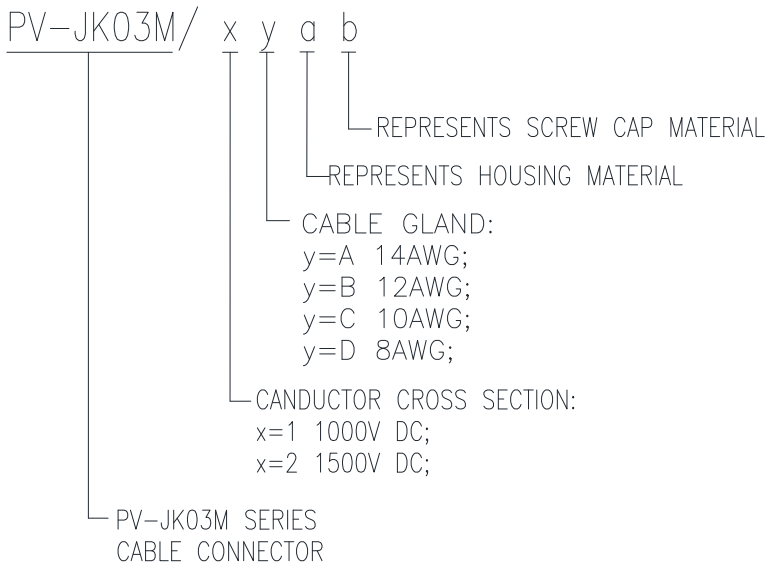


PV-JK03M-F / xy (IEC)
PV-JK03M-F / xyab (UL)

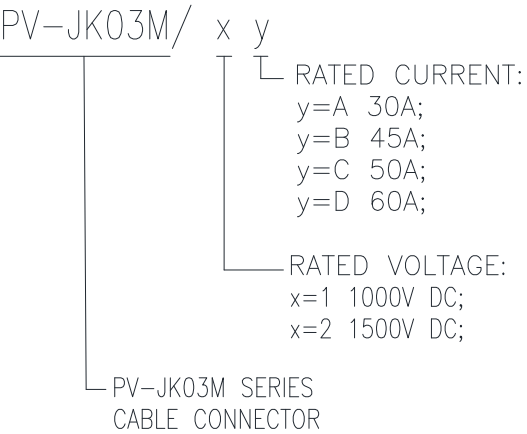


Connector dimensions and electrical values

UL CODE DESCRIPTION



TUV CODE DESCRIPTION



Product information

Type Name / Model	Male	Female	Outer diameter of the cable	Crimp opening height	IEC 62852			UL 6703			Certification	
					mm ²	DC V	A	AWG	DC V	A	TUV	UL
PV-JK03M / 1Aab		√	6.3	4.1				14	1000	30		√
	√		6.3	4.1				14	1000	30		√
PV-JK03M / 1Bab		√	6.2 - 7.2	5.6				12	1000	45		√
	√		6.2 - 7.2	5.6				12	1000	45		√
PV-JK03M / 1Cab		√	6.2 - 7.2	5.6				10	1000	50		√
	√		6.2 - 7.2	5.6				10	1000	50		√
PV-JK03M / 1Dab		√	9.0	7.6				8	1000	60		√
	√		9.0	7.6				8	1000	60		√
PV-JK03M / 2Aab		√	6.3	4.1				14	1500	30		√
	√		6.3	4.1				14	1500	30		√
PV-JK03M / 2Bab		√	6.2 - 7.2	5.6				12	1500	45		√
	√		6.2 - 7.2	5.6				12	1500	45		√
PV-JK03M / 2Cab		√	6.2 - 7.2	5.6				10	1500	50		√
	√		6.2 - 7.2	5.6				10	1500	50		√
PV-JK03M / 2Dab		√	9.0	7.6				8	1500	60		√
	√		9.0	7.6				8	1500	60		√

Type Name / Model	Male	Female	Outer diameter of the cable	Crimp opening height	IEC 62852			UL 6703			Certification	
			A(mm)	B(mm)	mm ²	DC V	A	AWG	DC V	A	TUV	UL
PV-JK03M / 1A		√		4.1	2.5	1000	30				√	
	√			4.1	2.5	1000	30				√	
PV-JK03M / 1B		√		5.6	4.0	1000	45				√	
	√			5.6	4.0	1000	45				√	
PV-JK03M / 1C		√		5.6	6.0	1000	50				√	
	√			5.6	6.0	1000	50				√	
PV-JK03M / 1D		√		7.6	10	1000	60				√	
	√			7.6	10	1000	60				√	
PV-JK03M / 2A		√		4.1	2.5	1500	30				√	
	√			4.1	2.5	1500	30				√	
PV-JK03M / 2B		√		5.6	4.0	1500	45				√	
	√			5.6	4.0	1500	45				√	
PV-JK03M / 2C		√		5.6	6.0	1500	50				√	
	√			5.6	6.0	1500	50				√	
PV-JK03M / 2D		√		7.6	10	1500	60				√	
	√			7.6	10	1500	60				√	

Note: For detailed component information or confirmation of connector, please contact us at <https://jinkosolar.eu/contact/>.

CAUTION: READ INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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