



# PV CONNECTOR 太陽能快速接頭

JDA-Y. JDA-R. JDA-T. JDA-X. JDA-M Solar PV Wiring Harnesses

JDA-F Inline fuse

JDA-C4/C4-1.5K PV Cable Connector for PV System

JDA-C6/C6-1.5K PV Box Connector for PV System



note: subject to change without any notice, JDA pay no responsibility



## PV Connector

JDA-C4/4-1.5K PV Cable Connector for PV System

JDA-C6 PV Box Connector for PV System



JDA-C4	JDA-C6	JDA-C4-1.5K
Permissible temperature range 允許的溫度範圍	-40°C...+85°C	
Protection degrees (mated/unmated) 防護等級	IP 68	
Rated current according to TÜV TUV額定電流	35A	
Rated voltage 額定電壓	TUV 1,100/1,100/1,500 V DC (IEC62852) ; UL 1,000 V DC (UL6703:2014 R12.17)	
Protection class 防護等級	II	
Construction type 構造型式	unipolar, not reusable, free connector	
Tightening torque 鎖緊扭力	1.5+/-0.2 Nm ( JDA-C4&4-1.5K) 1.1+/-0.2Nm (JDA-C6)	
Connentable cables 連接電纜	Cable according to standard TUV EN50618:2014 flexible lines, strand tinned	
Cable cross section 電纜內徑	2.5 mm <sup>2</sup> , 4 mm <sup>2</sup> , 6 mm <sup>2</sup>	
Cable exterior diameter 電纜外徑	5.5...7.8 mm	



Order data

JDA-C4/4-1.5K

PV Cable Connector for PV System

Female Socket Housing	Type	Pack Unit	Order No.
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**JDA-C4/C4-1.5K(+)**

Plastic Housing for Female Contact  
正極線端連接器

100 PC

**FSH 2-1-11114**  
**FSH 2-25124 C4-1.5K(+)**



**Socket**  
Female Contact  
母端子

100 PC (Bag)  
1500 PC (Roll)

**SFC 2-87220260**

Male Pin Housing	Type	Pack Unit	Order No.
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**JDA-C4/C4-1.5K(-)**

Plastic Housing for Male Contact  
負極線端連接器

100 PC

**MPH 2-1-01114**  
**MPH 2-15124 C4-1.5K(-)**



**Pin Male Contact**  
公端子

100 PC (Bag)  
1500 PC (Roll)

**PMC 2-87220260**

Accessories	Type	Pack Unit	Order No.
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**Sealing Cap**  
Universal Version for Female Housing and Male Housing  
正/負極防塵塞

100 PC (Bag)

**JDA-000MC (Male)**  
**JDA-000FC (Female)**

JDA-C6/C6-1.5K

PV Box Connector for PV System

Female Socket Housing	Type	Pack Unit	Order No.
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**JDA-C6/C6-1.5K(+)**

Plastic Housing for Female Contact  
正極板端連接器

100 PC

**FSH 2-30116-1.5K(+)**  
**C6-1.5K(+)**



**Socket**  
Female Contact  
母端子

100 PC (Bag)  
1500 PC (Roll)

**SFC 2-87220260**

Male Pin Housing	Type	Pack Unit	Order No.
------------------	------	-----------	-----------



**JDA-C6/C6-1.5K(-)**

Plastic Housing for Male Contact  
負極板端連接器

100 PC

**PHMC 2-20116-1.5K(-)**  
**C6-1.5K(-)**



**Pin Male Contact**  
公端子

100 PC (Bag)  
1500 PC (Roll)

**PMC 2-87220260**



## PV Connector systems for PV Module

Type number		JDA-C4-F & JDA-C4-M		JDA-C4-1.5K-F JDA-C4-1.5K-M	JDA-C6-1.5K-25 JDA-C6-1.5K-40 JDA-C6-1.5K-60
Feature		MC4 Compatible & MC4		MC4 Compatible	MC4 Compatible
Size, mm	Female	62.0 x 19.5		44.5 x 24.5-M16	49.5 x 19.5-M12
	Male, Negative	64.5 x 19.5		46.0 x 24.5-M16	51.0 x 19.5-M12
Conformity standards	UL 6703	US 72201731 01		US 72201731 01	US 72201731 01
	EN 62852:2015	R 50465271		R 50465271	R 50465271
	Others	ICE61215, ICE61646, ICE61730		ICE61215, ICE61646, ICE61730	
Rated voltages		DC 1100V(TUV), DC 1000V(UL)		DC 1500V(TUV), DC 1000V(UL)	
Rated currents		25A for 2.5 & 4.0mm <sup>2</sup>	35A for 6mm <sup>2</sup>	35A	35A For 6.0mm <sup>2</sup> Wire size range (10 AWG)
					35A For 4.0mm <sup>2</sup> Wire size range (12 AWG)
					35A For 2.5mm <sup>2</sup> Wire size range (14 AWG)
Contact resistance(contacted)		0.3mΩ(Initial)	0.3mΩ(Initial)	≤0.3mΩ(Initial)	≤0.3mΩ(Initial)
Wire size range(mm <sup>2</sup> )		2.5, 4	4,6	2.5, 4.0 and 6.0	2.5, 4.0 and 6.0
Protection degree		IP68(1m, 24hours)	IP68(1m, 24hours)	IP68	IP68
Rated impulse voltage		8kV	8kV	8kV	8kV
Upper limiting Temperature		125°C	125°C	100°C	100°C
Overvoltage Category		III		III	III
Flammability class		UL94-5V/V0		UL94-5V/V0	UL94-5V/V0
Material	Insulation	PPO/PA66		PPO/PA66	PPO/PA66
	Contact	Tin plated copper alloy		Tin plated copper alloy	Tin plated copper alloy
Petaining force of locking	Connect-connect	≥20kgf		≥20kgf	≥20kgf
	Connect-cable	≥20kgf		≥20kgf	≥20kgf
Connector contact systems		MC4 compatibility systems		MC4 compatibility systems	MC4 compatibility systems
Ambient temperature		-40~85°C		-40~85°C	-40~85°C
Note		Do not disconnect under load		Do not disconnect under load	Do not disconnect under load



## Product Catalog



**JDA-C4**  
 太陽能連接器



**JDA-C6**  
 電箱外接連接器



**JDA-C8**  
 (一對二 / 三通)



**OPEN TOOL**  
 連接器開啟工具



4.0mm<sup>2</sup> , 2.5mm<sup>2</sup>

**PV CABLE**  
 太陽能專用線



**CABLE + CONNECTOR**  
 客制帶線連接器 (客製線長)













**JDA-C4, 6** 連接器金屬端子零售

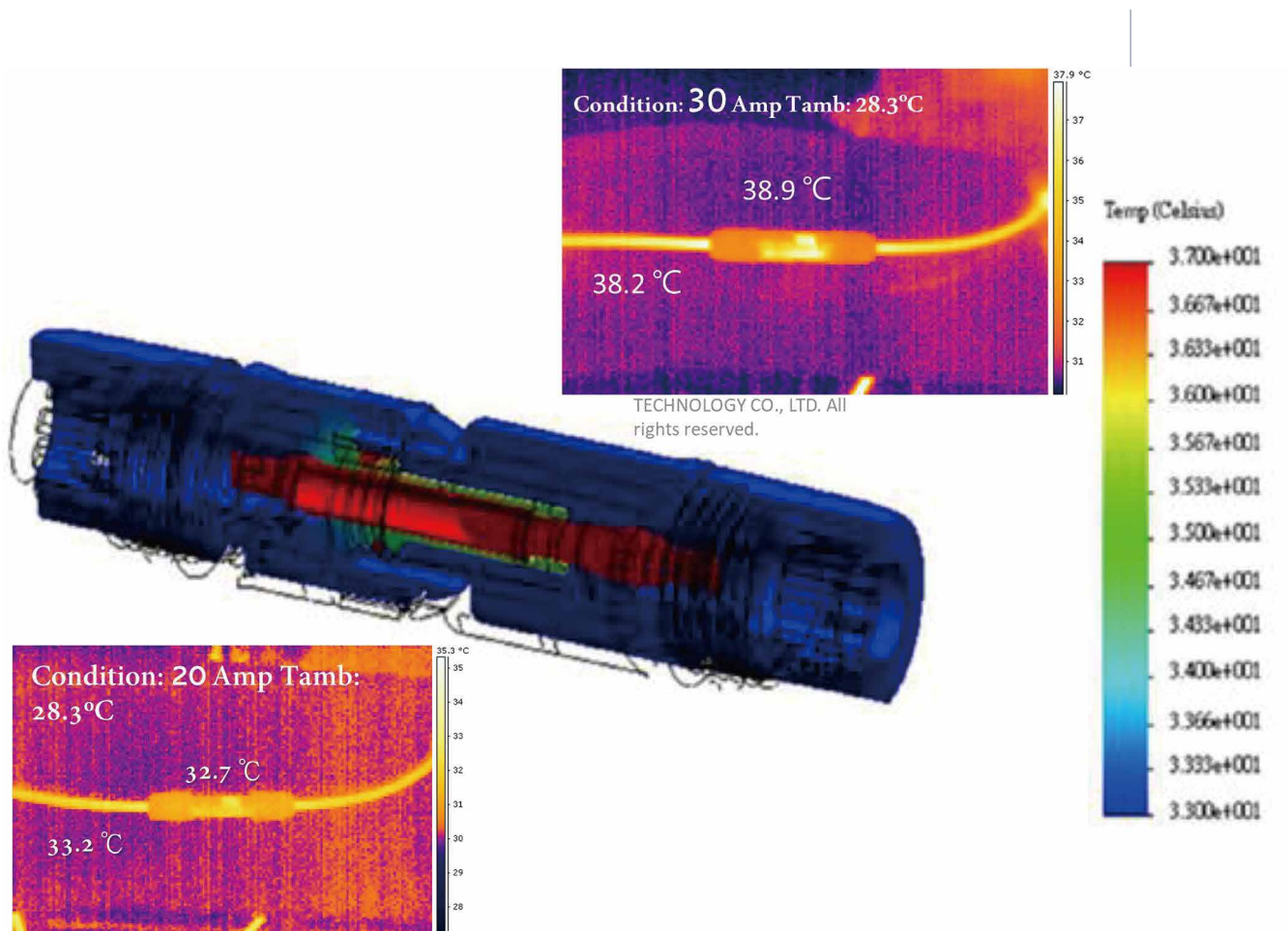


### Connector 與他牌之相容性對照表

相容：○ 不相容：×

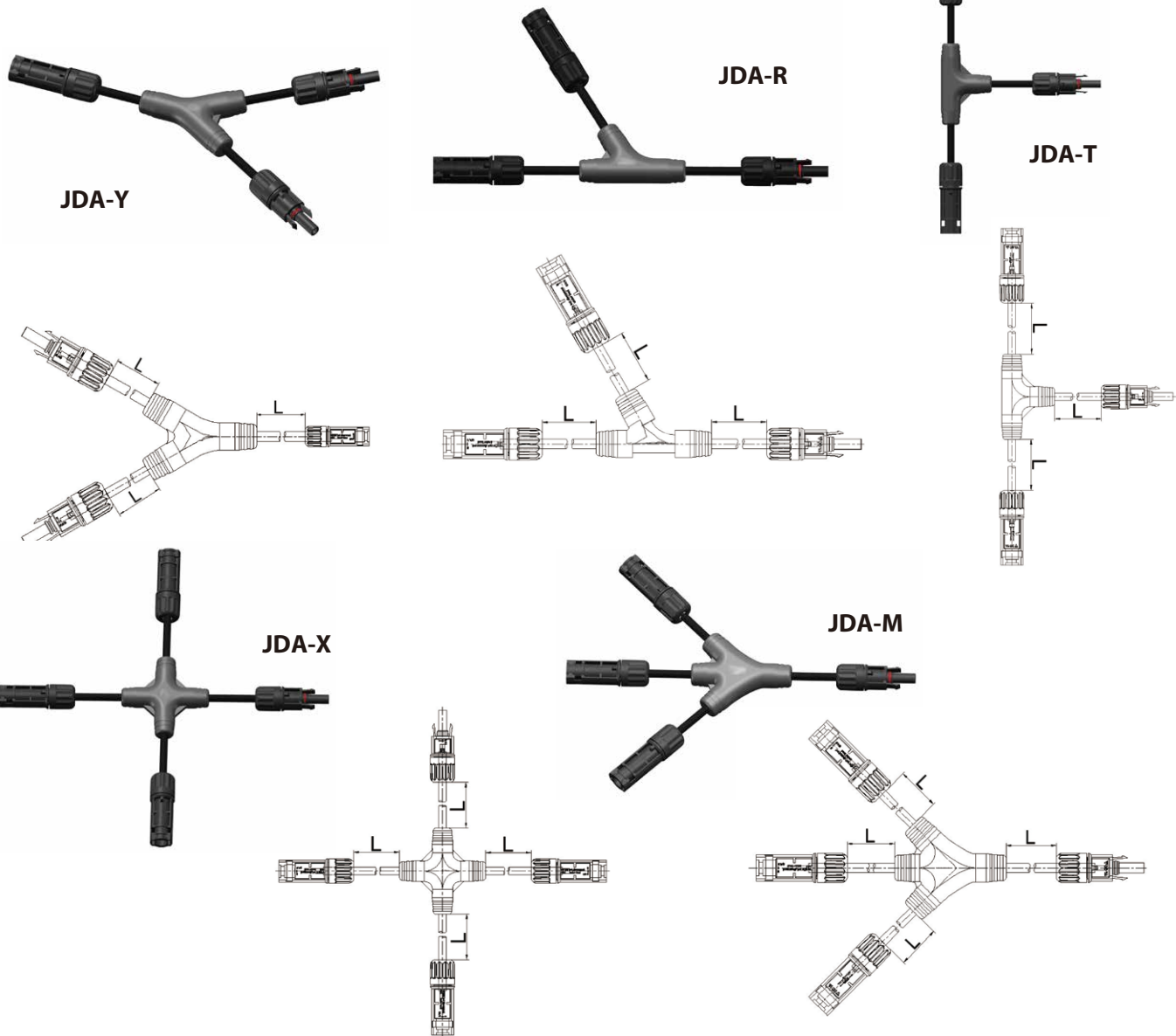
Type	MC	Yukita	SMK	SMK	SMK
	MC 4	YS-254 / 255	PV-03	PV-02	Panel Connector
					
公 <=> 母	○	○	○	○	○
母 <=> 公	○	○	○	○	○

Type	Hosiden	Weidmuller	Amphenol	Tyco	Kitani
	HSC2009 / 2010	WM-4	H4 Solar Connector	Solar Connector	KTN-PVCIP-FA
					
公 <=> 母	○	○	○	×	×
母 <=> 公	○	○	○	×	×





太陽能光伏互聯線束 Solar PV Wiring Harnesses



例如 For example : JDA-Y-B-D-J-P-L1

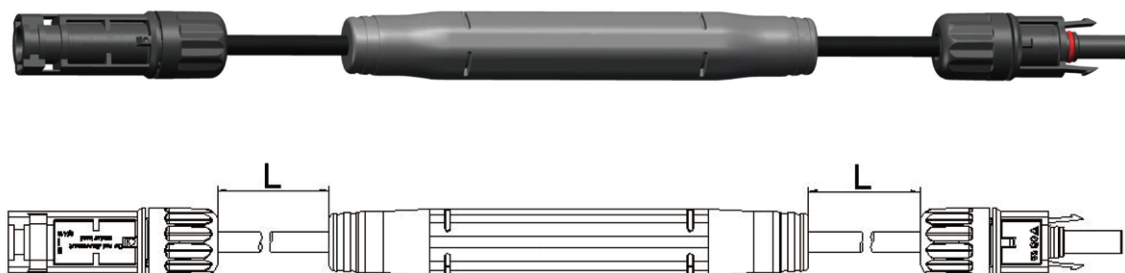
規格型號 Product type	系統電壓 System voltage	連接器型號 Connector type	連接器配置 Connector	電纜規格 Cable size	電纜長度 Cable length
JDA-Y	A: 1000V	C: JDA4.10-1000V	configuration	P: 12AWG	L1=100mm
JDA-R	B: 1500V	D: JDA4.10-1500V	J: 2F1M	Q: 10AWG	L2=customized
JDA-T		E: JDA4.10-PLUS	K: 2M1F	R: 8AWG	
JDA-X		F: TS4	M: 3F1M		
JDA-M		G: TS4-PLUS	O: 3M1F		
		H: MC4			
		I: MC4-EV02			
		N: NONE			



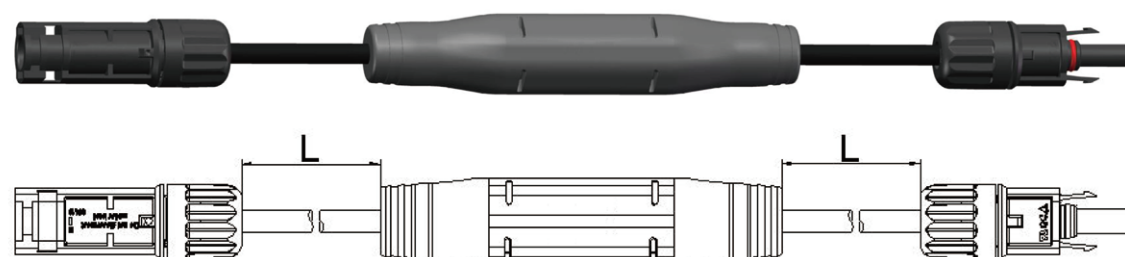


保險絲線束 Inline fuse

1000V up to 30A



1500V up to 50A



例如 For example :  
JDA-F-A20A-D-J-L1  
JDA-F-B30A-D-J-L1

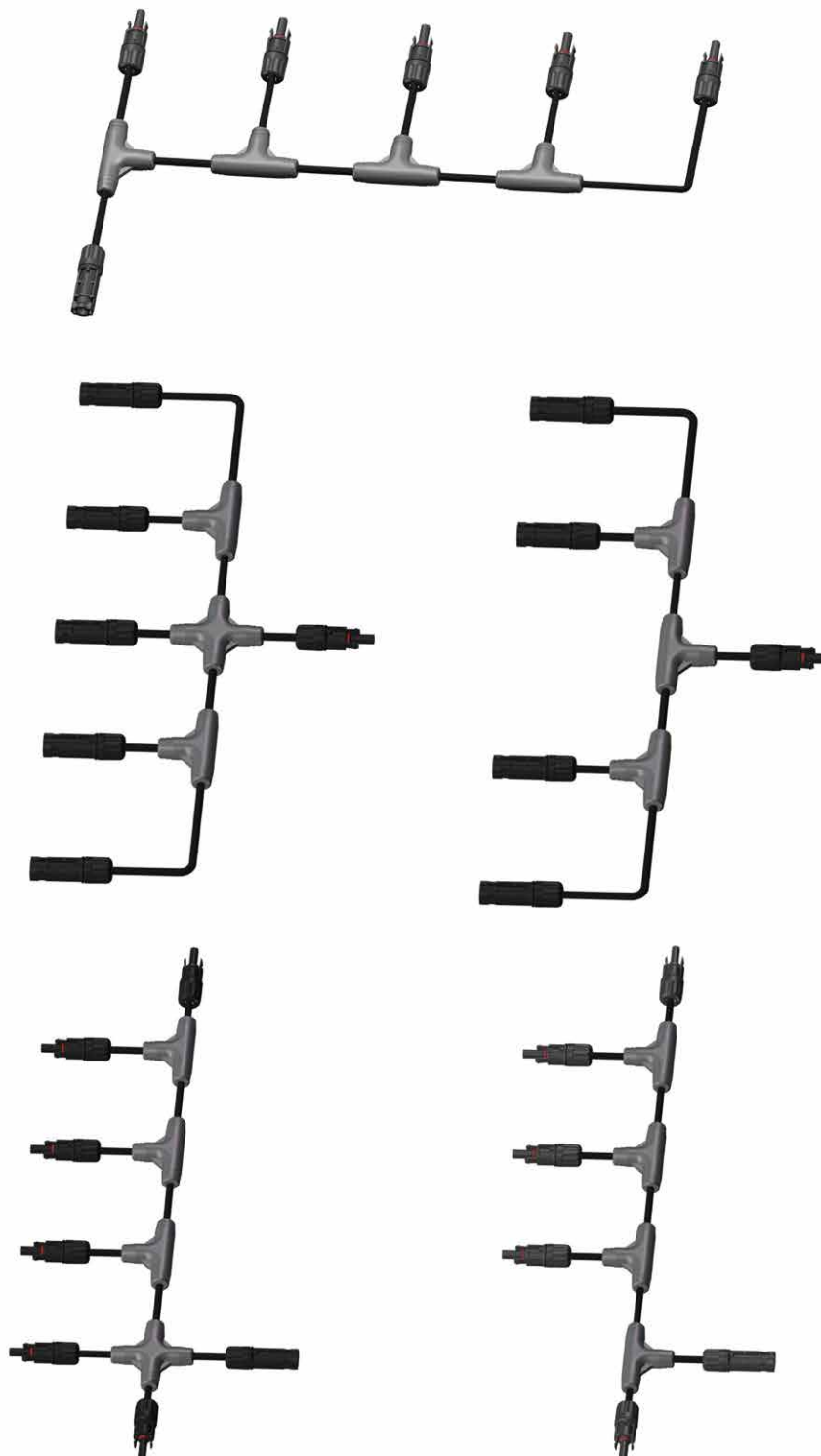
規格型號 Product type	保險絲規格 Fuse rating	連接器型號 Connector type	電纜規格 Cable size	電纜長度 Cable length
JDA-F	A: UP to 30A(1000V)	C: JDA4.10-1000V	J: 12AWG	L1=100mm
	B: UP to 50A(1500V)	D: JDA4.10-1500V	K: 10AWG	L2=customized
		E: JDA4.10-PLUS	M: 8AWG	
		F: TS4		
		G: TS4-PLUS		
		H: MC4		
		I: MC4-EV02		
		N: NONE		



## 太陽能光伏互聯線束 Solar PV Wiring Harnesses

可根據客戶需求任意配置連接組合

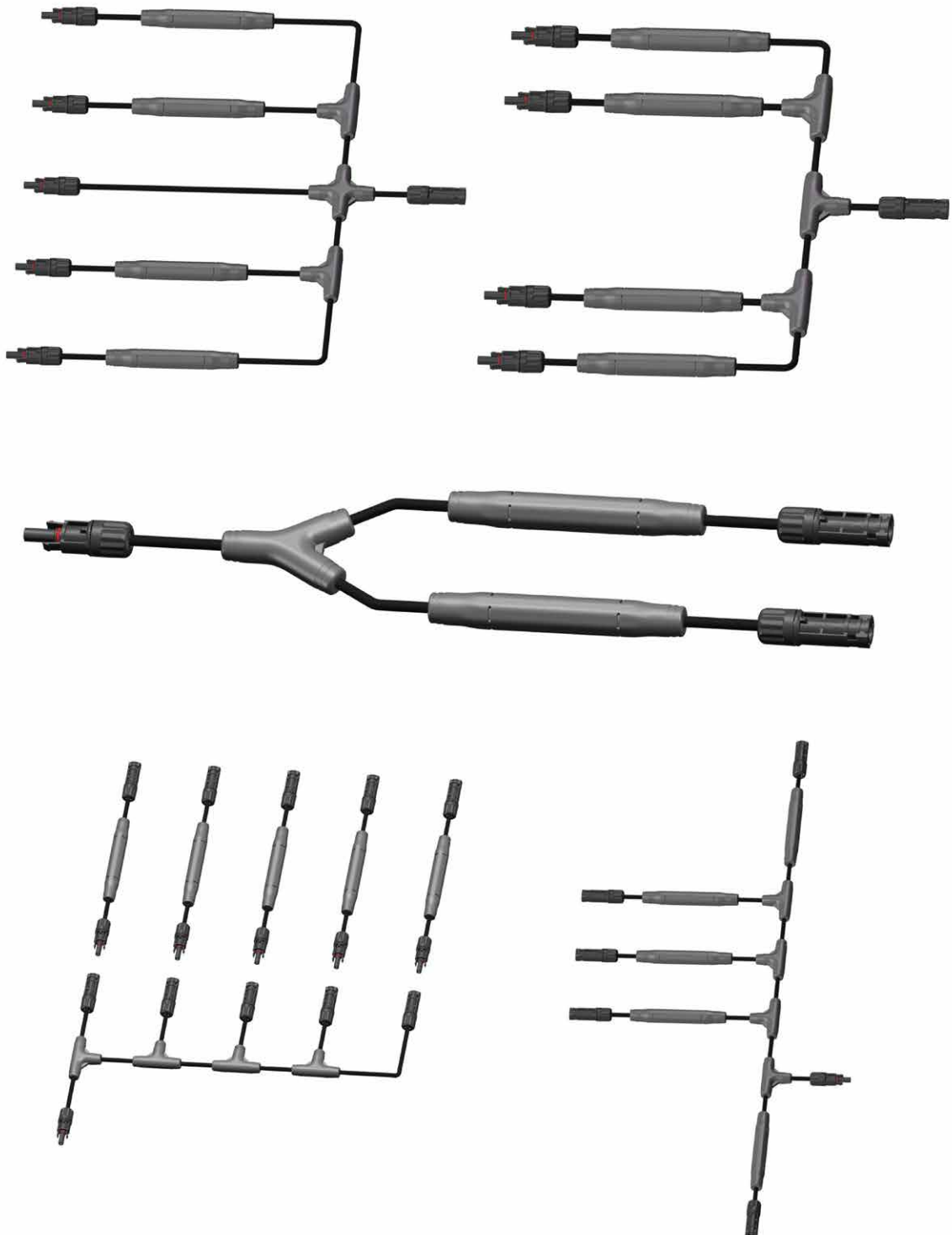
Any combination of connections can be made according to customer requirements



太陽能光伏互聯線束 Solar PV Wiring Harnesses

可根據客戶需求任意配置連接組合

Any combination of connections can be made according to customer requirements





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