



日燭科技有限公司
JD Auspice Co., Ltd.

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 ² , 4 mm ² , 6 mm ² | |
| 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. |
|-----------------------|------|-----------|-----------|
|-----------------------|------|-----------|-----------|



JDA-C4/C4-1.5K(+)

| | | |
|---|----------------|-------------------------------|
| Plastic Housing for Female Contact 正極線端連接器 | 100 pc | FSH 2-1-11114 |
| | 1500 pc (Roll) | FSH 2-25124 C4-1.5K(+) |



| | | |
|-------------------------------------|----------------|-----------------------|
| Socket Female Contact 母端子 | 100 pc (Bag) | SFC 2-87220260 |
| | 1500 pc (Roll) | |

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



JDA-C4/C4-1.5K(-)

| | | |
|---|----------------|-------------------------------|
| Plastic Housing for Male Contact 負極線端連接器 | 100 pc | MPH 2-1-01114 |
| | 1500 pc (Roll) | MPH 2-15124 C4-1.5K(-) |



| | | |
|--------------------------------|----------------|-----------------------|
| Pin Male Contact 公端子 | 100 pc (Bag) | PMC 2-87220260 |
| | 1500 pc (Roll) | |

| Accessories | Type | Pack Unit | Order No. |
|-------------|------|-----------|-----------|
|-------------|------|-----------|-----------|



| | | |
|--|--------------|---------------------------|
| 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. |
|-----------------------|------|-----------|-----------|
|-----------------------|------|-----------|-----------|



JDA-C6/C6-1.5K(+)

| | | |
|---|----------------|----------------------------|
| Plastic Housing for Female Contact 正極板端連接器 | 100 pc | FSH 2-30116-1.5K(+) |
| | 1500 pc (Roll) | FSH 2-30116-1.5K(+) |



| | | |
|-------------------------------------|----------------|-----------------------|
| Socket Female Contact 母端子 | 100 pc (Bag) | SFC 2-87220260 |
| | 1500 pc (Roll) | |

| 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(-) |
| | 1500 pc (Roll) | PHMC 2-20116-1.5K(-) |



| | | |
|--------------------------------|----------------|-----------------------|
| Pin Male Contact 公端子 | 100 pc (Bag) | PMC 2-87220260 |
| | 1500 pc (Roll) | |



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 ² | 35A for 6mm ² | 35A | 35A For 6.0mm ² Wire size range (10 AWG) |
| | | | | | 35A For 4.0mm ² Wire size range (12 AWG) |
| | | | | | 35A For 2.5mm ² Wire size range (14 AWG) |
| Contact resistance(contacted) | | 0.3mΩ(Initial) | 0.3mΩ(Initial) | ≤0.3mΩ(Initial) | ≤0.3mΩ(Initial) |
| Wire size range(mm ²) | | 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



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

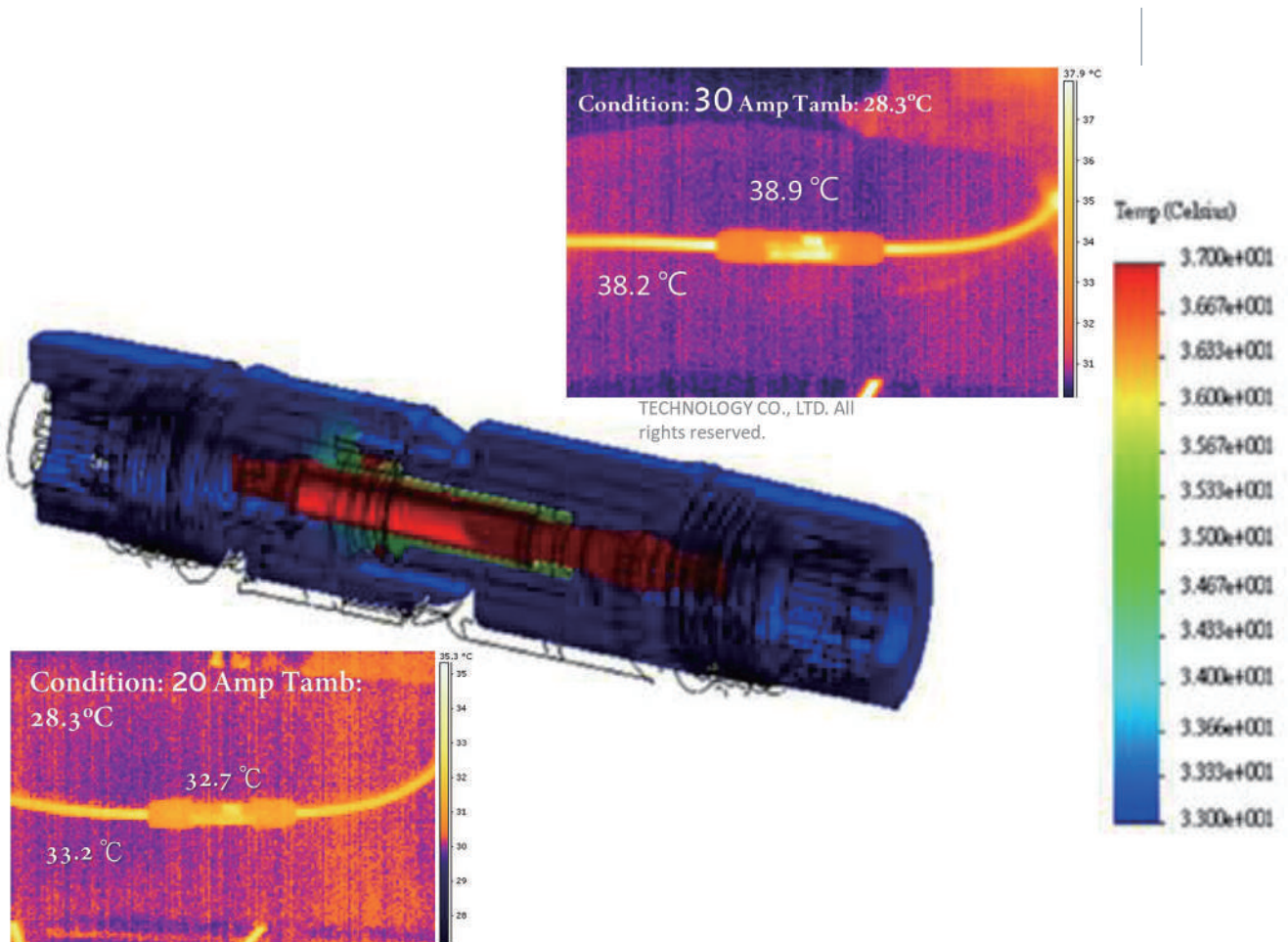


Connector 與他牌之相容性對照表

相容：○ 不相容：×

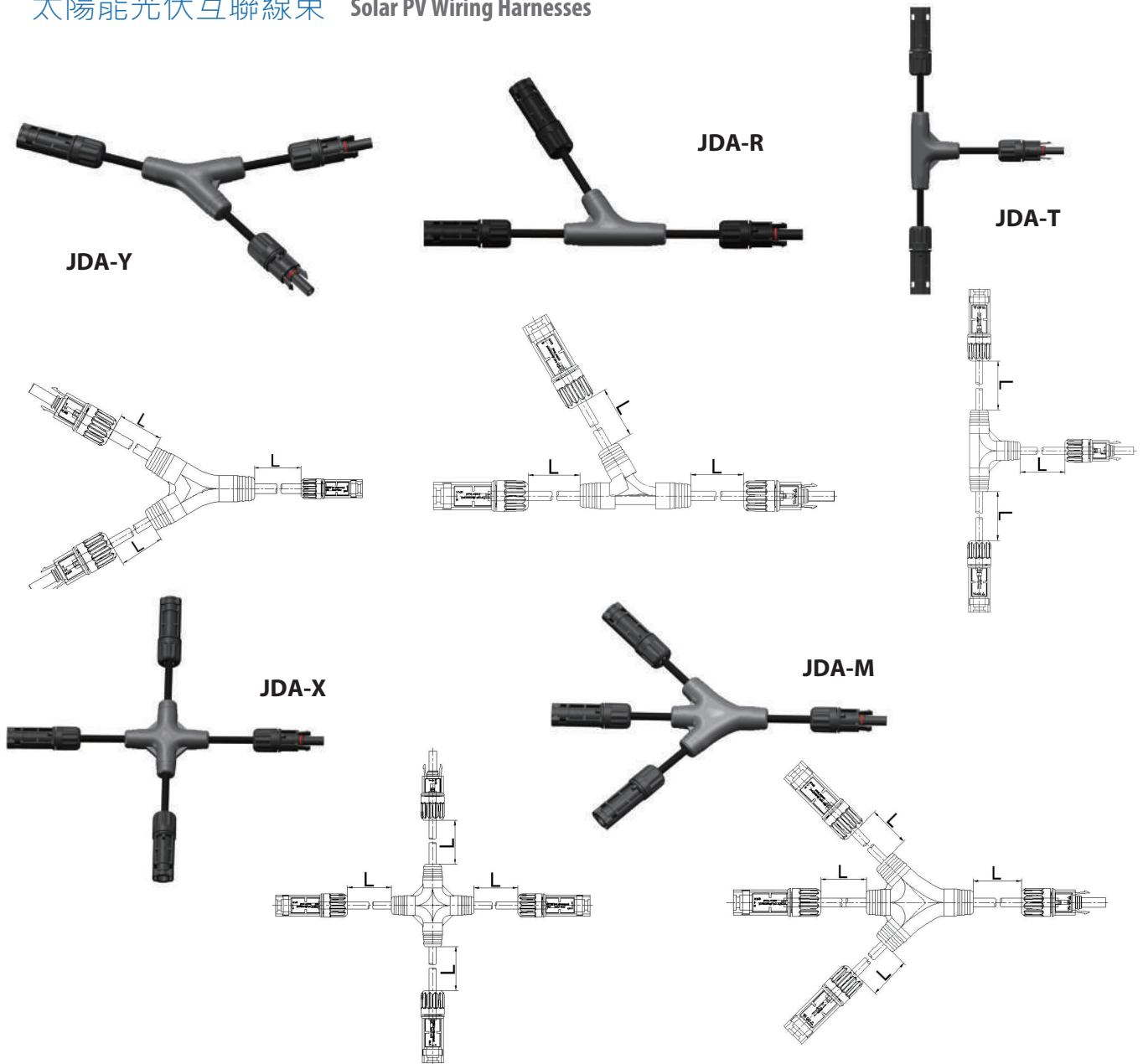
| Type | MC | Yukita | SMK | SMK | SMK |
|---------|---|---|---|---|---|
| | MC 4 | YS-254 / 255 | PV-03 | PV-02 | Panel Connector |
| |  |  |  |  |  |
| 公 <=> 母 | ○ | ○ | ○ | ○ | ○ |
| 母 <=> 公 | ○ | ○ | ○ | ○ | ○ |

| 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



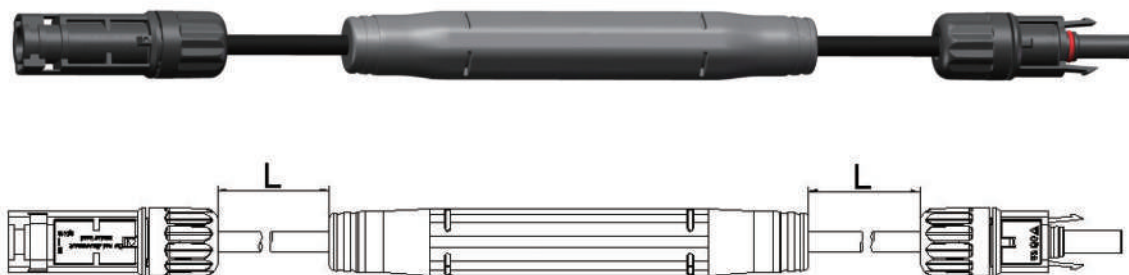
例如 For example : JDA-Y-B-D-J-P-L1

| 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 | | | |

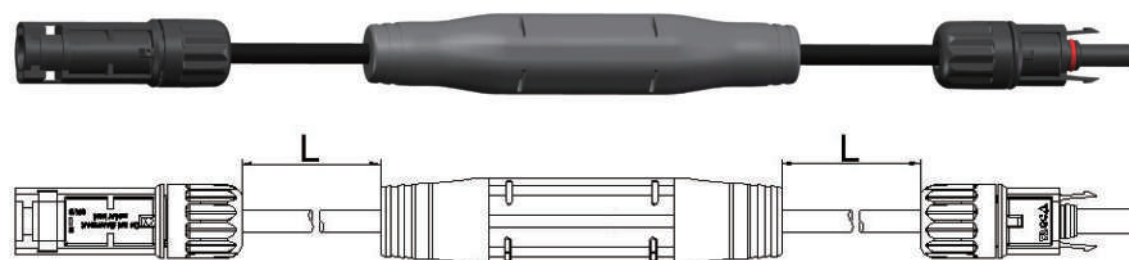


保險絲線束 Inline fuse

1000V up to 30A



1500V up to 50A



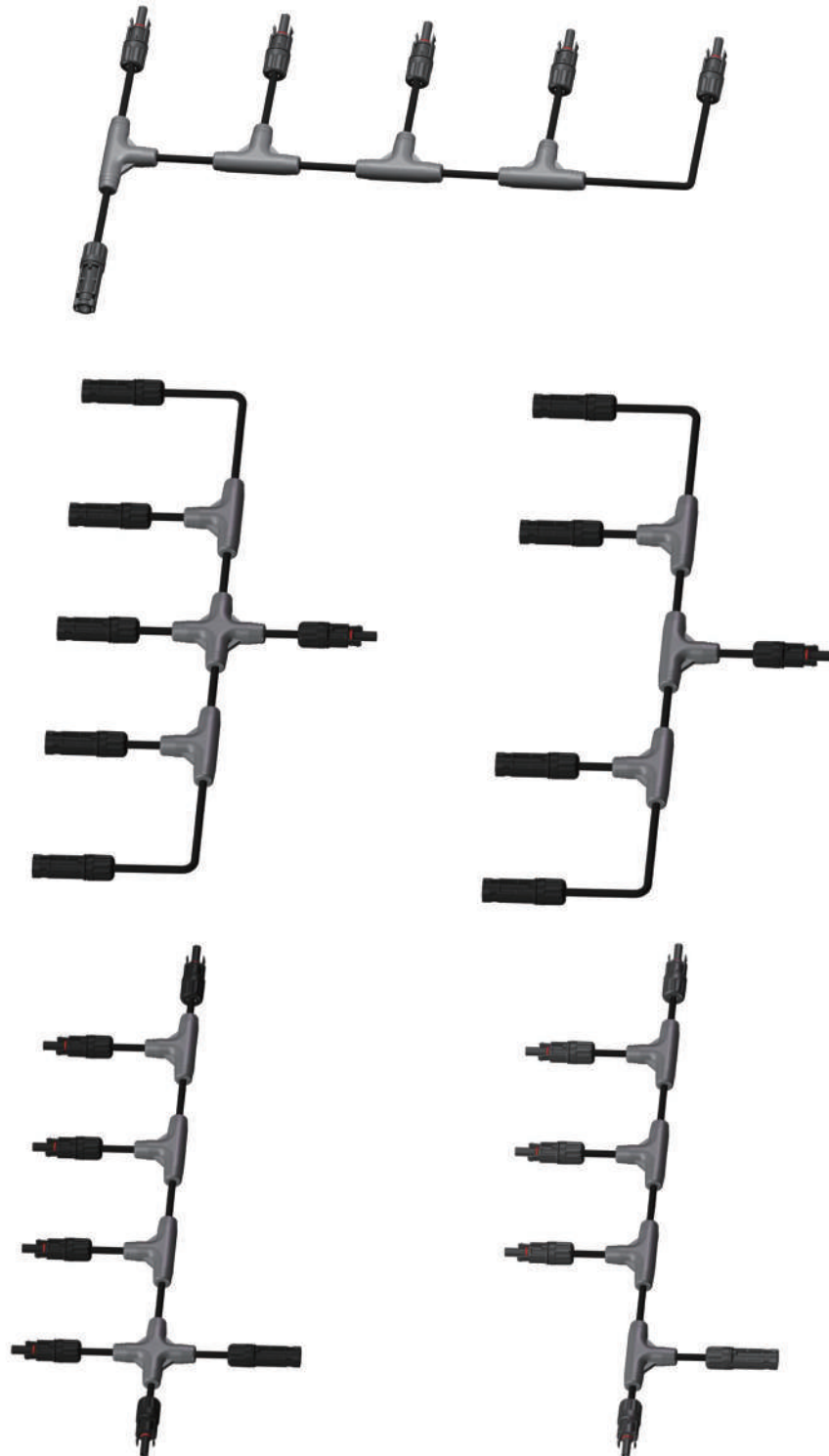
例如 For example :
JDA-F-A20A-D-J-L1
JDA-F-B30A-D-J-L1

| 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

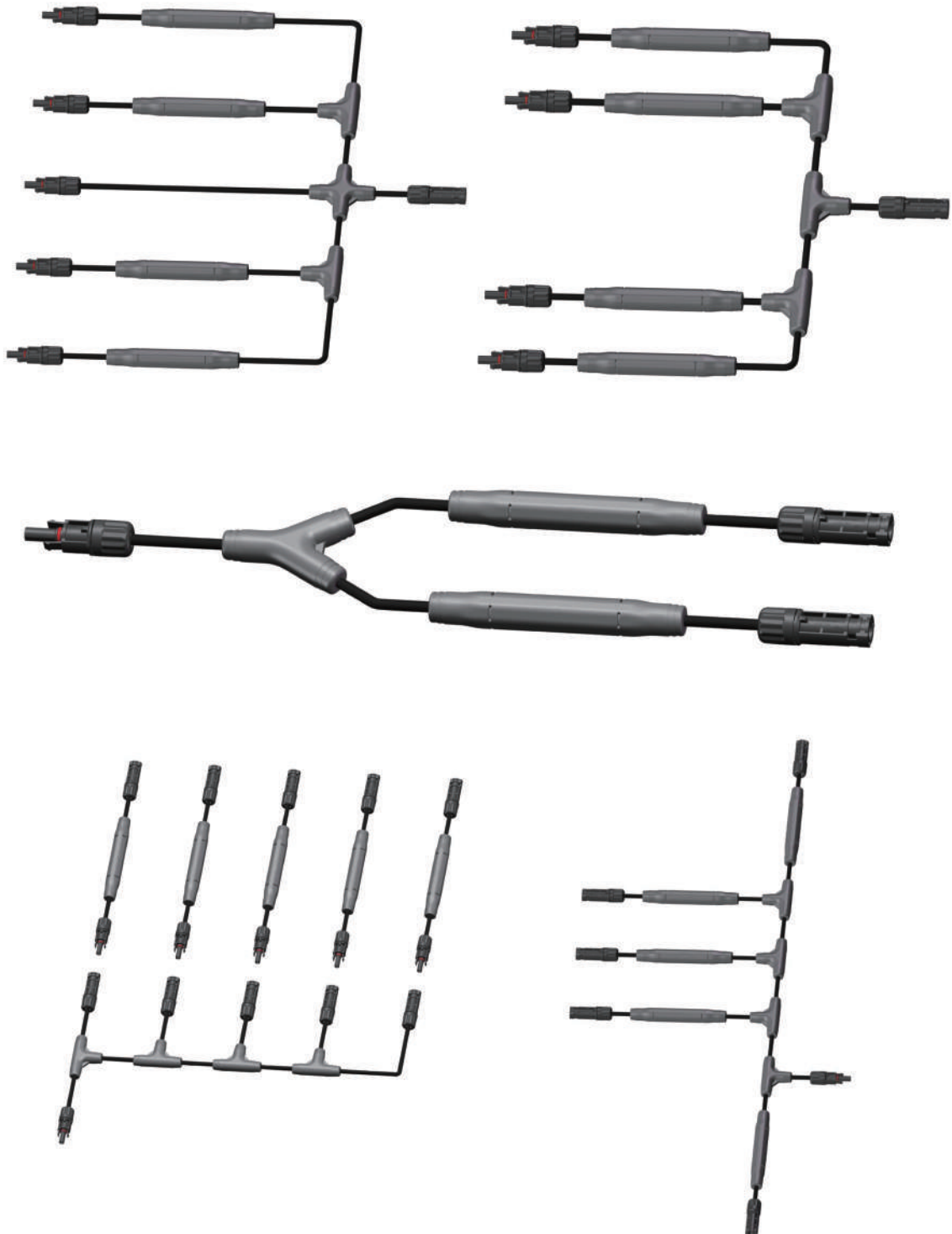
Any combination of connections can be made according to customer requirements



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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