



18-01 Instruction

⚠ Make sure to carefully read and understand the instruction before installation. If tools other than those specified by the instruction used or if the assembly instructions described here are disregarded then compliance with the standard requirements can't be guaranteed. Meanwhile avoid potential hazards which may result in personal injury and product damage.

⚠ For protection against electric shock, while being assembled or disassembled, make sure connectors isolated from the power supply.

⚠ Connectors may not be connected or disconnected under load.

⚠ The cables conformity with relevant photovoltaic standards must be used.

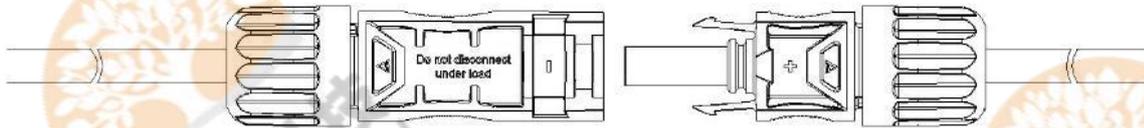
⚠ YiTong to our customers and user to prevent exposure of the following chemicals may cause corrosion, degradation of performance, or cracking of product and might lead to potential safety issues in applications. (Lists of all known chemicals "WARNING")

易通光伏科技 传导输送电力

⚠ Technological improvements and appearance changes may occur, please see the nameplate on the connectors and the connectors as the standard. The changes will be included in the new edition of instruction without extra notice.

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Finished Products





Introduction:

- positive and negative of the connectors with stable self-locking mechanism, open and close easily.
- Certification: TUV

Main Technical Specification

- Rated Voltage: DC1500V
- Rated current: 41A
- Connecting capacity : 4mm²

- Protection Degree: IP68
- Ambient Temperature: -40°C~ +85°C;
- Reference standard IEC62852

Main Speciality

with the capacity of Anti-aging and resistance to ultraviolet radiation on the outer cover .

To meet the using requirement under bad outdoor condition.

Installation

First step: wire stripper

The length of PV cable is 6-7mm by wire stripper. (PV cable:the area of metal core is 4² mm, OD is 5.5-6.25 mm.)



Second step: Pressed metal core

The metal core of positive and negative anodes will be pressured welding respectively on the PV cable by crimping tool.



Third step: insert the metal core into inner of connector respectively. (Pay attention to do not

Insert the metal core in core inner of connector separately. Note that positive and negative do not plug in the reverse, and install in place.



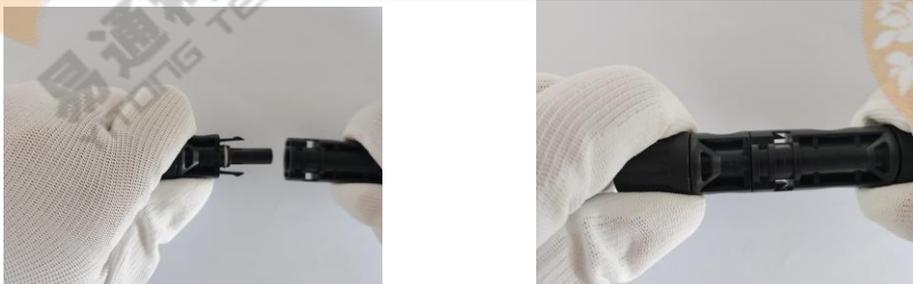
Forth step : Tighten the connector nut.

Tighten the connector with the connector lock wrench



Fiveth step: Connectors are plugged in

Align the connectors positive and negative. Connector positive, negative pole pair to the end.



Sixth step Open connector

Use the connector tooling to insert into the connector cover and open the connector.



| Classify | Chemical Name |
|-------------------------|---|
| Commonly used chemicals | Grease , Lubricate Oil , Rust inhibitors , Stamping oil , Engine Oil、Banana Oil WD40,Insecticide, Oily sealing agent 、Doduconta B25 Kontaktol、Evabrite S,Virex TB, Suma Lima L3, Suma Rinse \DetergentPlasticizer、 Spray cleaner8188、 8188\CM-31S |
| Grease | Molykote EM-50L (Dow Corning)、 Molykote PG-641(Dow Corning) |
| Oils | Die Cut(OELHELD), MACHINE Oil KV46(Nippon Oil) 、 Infeid stamping oil |
| Mould Release Agent | Pelicoat S-6(Chukyo-Kasei) |
| Binder | Chemlok(LORD) |
| Alcohols | Isopropyl Alcohol (IPA) 乙丙醇 |
| Fatty hydrocarbons | Heptane 、 Hexane Cyciohexane Liquid paraffin |
| Acid,Alkali ,Salt | Salt acid 、 Sulfuric acid 、 Nitric acid 、 Phosphoric acid 、 Acetic acid 、 Ammonia、 Sodium hydroxide |
| Halogenated hydrocarbon | Freon、 Carbon tetrachloride、 Trichloromethane、 Virex 256 |
| Ketone | Acetone、 Methyl ethyl ketone |
| Aromatic Hydrocarbon | Toluene、 Xylene、 Cresol |
| Other, Organic solvent | Etyl acetate 、 Butyl acetate 、 Tributyl Phosphate 、 Kerosene 、 Gasoline 、 Varnish 、 Esters、 Ethers 、 Amines 、 Glacial acetic acid 、 Print ink、 3M |
| Adhesion sealant | APF125(Wacker Chemical) 3M adhesive、 Avancis adhesive |
| Potting Material | KE-200 (ShinEtsu)、 CX-200 (ShinEtsu) |