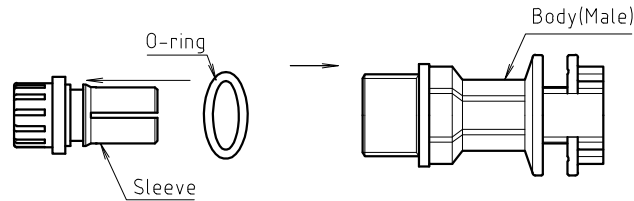


Installation manual for male connector

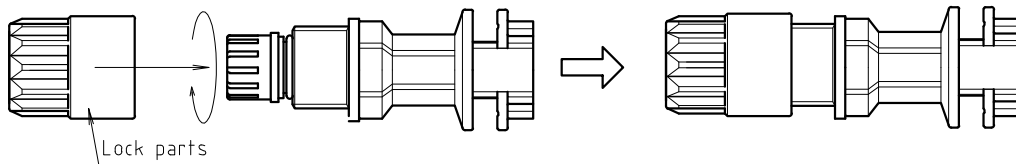
(YS-254,YS-254 II by Yukita Electric Wire Co.,Ltd.)

[Assembling method for the connector body]

1. After attaching the o-ring on the sleeve, insert the sleeve into the body.



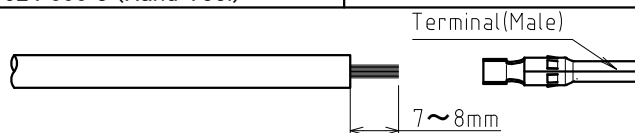
2. Screw the lock parts on the body.



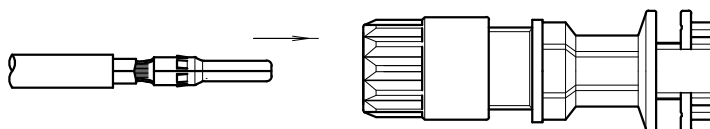
[Assembling method for the connector with cable]

1. After stripping the cable, crimp the terminal by the crimping tool or crimping machine.

Crimp Tool Identification	
Manufacturer, Model No.	Die number
Sumiko Tech, 345S (Hand Tool)	345S-XYKO-001 and 345S-XYKO-002
RENNSTEIG WERKZEUGE, 624 000 3 (Hand Tool)	.369

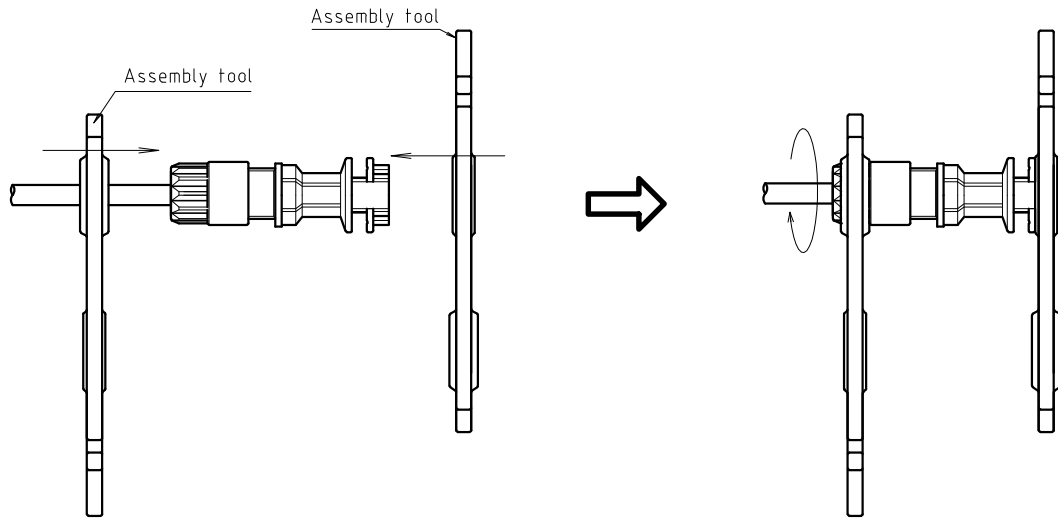
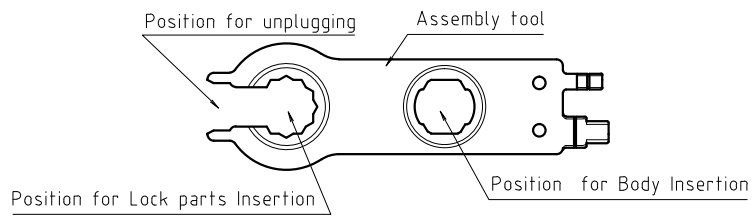


2. Insert the crimped terminal into the connector body.
(Insert the terminal until a click sound can be heard.)



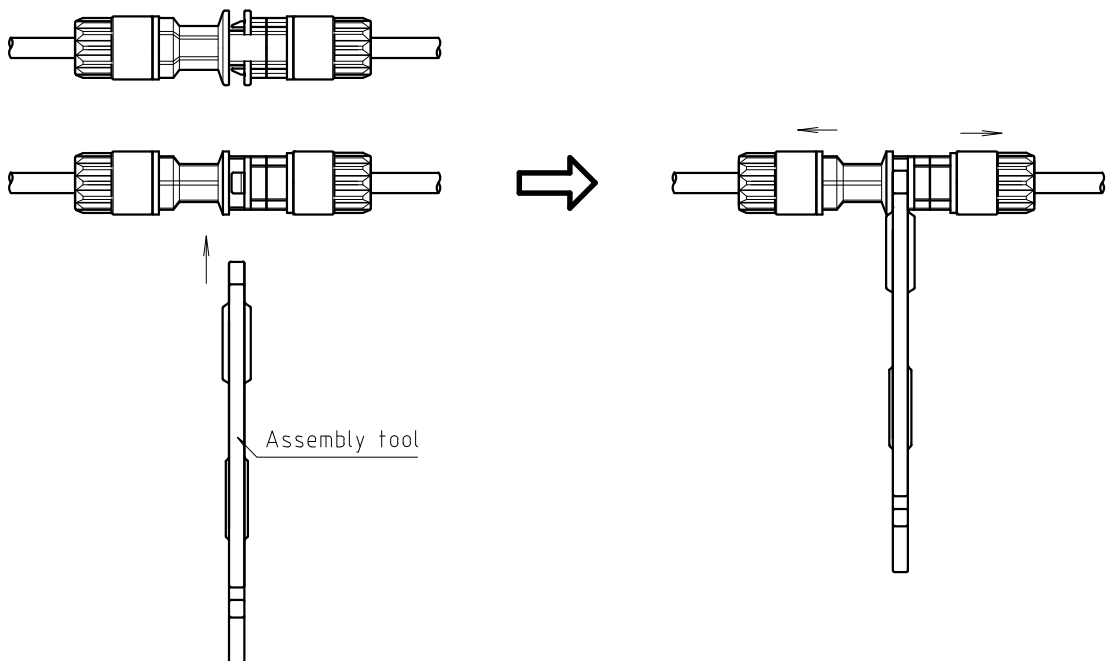
3. Screw the lock parts by the assembly tool until a space disappears.
Recommended tightening torque values of lock parts: about 4.5N·m





[Unplugging method]

1. Compress the two snap-in springs by the assembly tool (TLFC-01 by Yukita Electric Wire Co.,Ltd.) and separate the coupling.



[Specification]

Rated Voltage	600 V	
Rated Current	10AWG	30 A
	12AWG	20 A
	14AWG	15 A
	16AWG	10 A
Operating Temperature Range	-40 °C ~ +90 °C	

Cable Type	USE-2			PV Wire			
Wire Size	10AWG	12AWG	14AWG	10AWG	12AWG	14AWG	16AWG
Number of Strands	43-85	43-56	41-50	43-85	43-56	41-50	27-30
Outer Diameter (Tolerance)	6.4-7.6 mm (+/-0.2)			5.5-7.6 mm (+/-0.2)			

Note 1) Unplugging Under Load: PV plug connections must not be unplugged while under load. They can be placed in a no load state by switching off the DC/AC converter or breaking the AC circuit.
Plugging and unplugging while under tension is permitted.

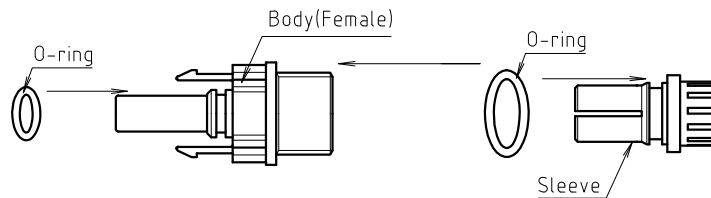
Note 2) Use copper wire only.

Installation manual for female connector

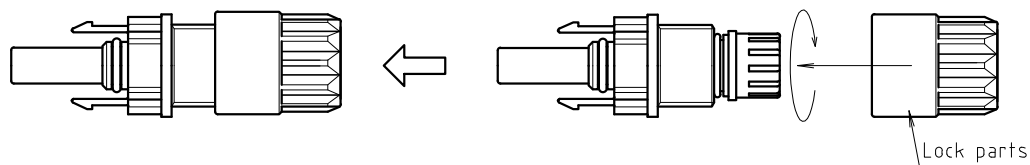
(YS-255,YS-255 II by Yukita Electric Wire Co.,Ltd.)

[Assembling method for the connector body]

1. After attaching the o-ring on the sleeve, insert the sleeve into the body.
Regarding to the female connector body, attach the o-ring.



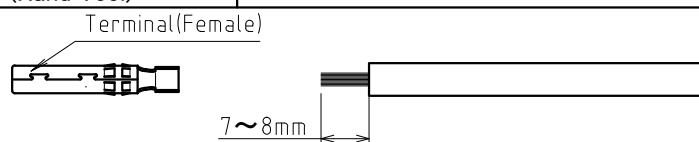
2. Screw the lock parts on the body.



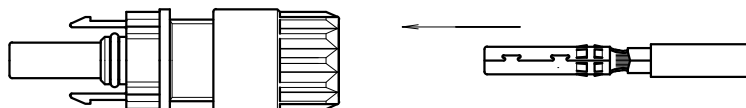
[Assembling method for the connector with cable]

1. After stripping the cable, crimp the terminal by the crimping tool or crimping machine.

Crimp Tool Identification	
Manufacturer, Model No.	Die number
Sumiko Tech, 345S (Hand Tool)	345S-XYKO-001 and 345S-XYKO-002
RENNSTEIG WERKZEUGE, 624 000 3 (Hand Tool)	.369

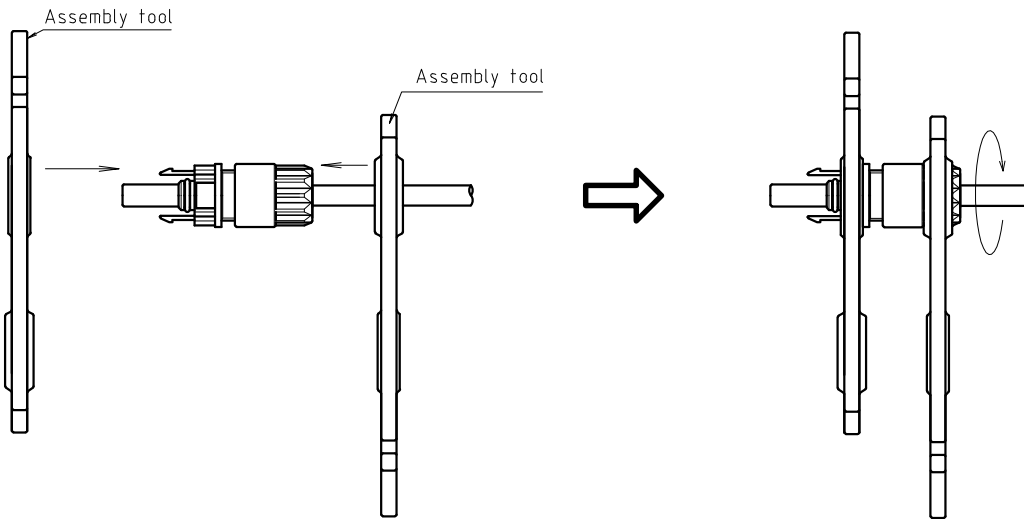
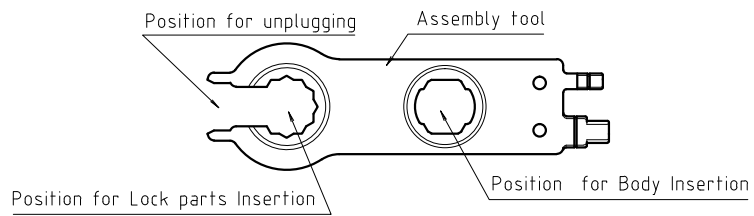


2. Insert the crimped terminal into the connector body.
(Insert the terminal until a click sound can be heard.)



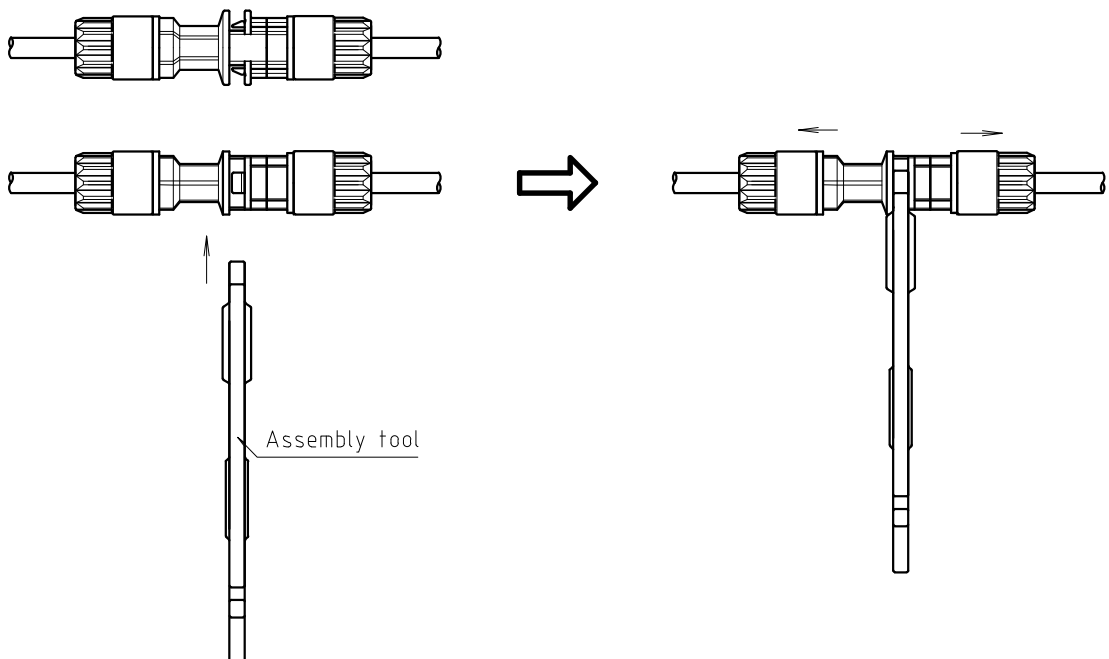
3. Screw the lock parts by the assembly tool until a space disappears.
Recommended tightening torque values of lock parts: about 4.5N·m





[Unplugging method]

1. Compress the two snap-in springs by the assembly tool (TLFC-01 by Yukita Electric Wire Co.,Ltd.) and separate the coupling.



[Specification]

Rated Voltage	600 V	
Rated Current	10AWG	30 A
	12AWG	20 A
	14AWG	15 A
	16AWG	10 A
Operating Temperature Range	-40 °C ~ +90 °C	

Cable Type	USE-2			PV Wire			
Wire Size	10AWG	12AWG	14AWG	10AWG	12AWG	14AWG	16AWG
Number of Strands	43-85	43-56	41-50	43-85	43-56	41-50	27-30
Outer Diameter (Tolerance)	6.4-7.6 mm (+/-0.2)			5.5-7.6 mm (+/-0.2)			

Note 1) Unplugging Under Load: PV plug connections must not be unplugged while under load.
 They can be placed in a no load state by switching off the DC/AC converter or breaking the AC circuit.
 Plugging and unplugging while under tension is permitted.

Note 2) Use copper wire only.