

INSTRUCTION MANUAL

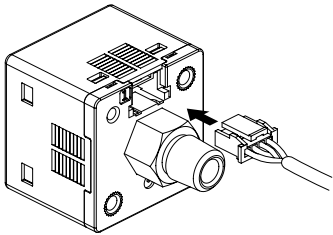
CONNECTOR PPX-CN

Read this instruction manual carefully before using this product, particularly the section describing safety.

Retain this instruction manual with the product for further consultation whenever necessary.

1 OUTLINE

- This is a connector which can connect to the PPX series.

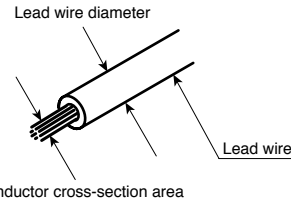


Housing: PAP-04V-S manufactured by J.S.T. MFG CO., LTD
Contact: SPHD-001T-P0.5 manufactured by J.S.T. MFG CO., LTD

2 CAUTIONS

- Be sure to use a crimping tool for crimping work.
- Do not reuse a contact which has been crimped once or inserted into the housing, as its performance cannot be guaranteed.
- Always connect or disconnect the cable attached connector by holding the connector. Never pull the cable, since it may cause a cable break.

3 SUITABLE CABLE



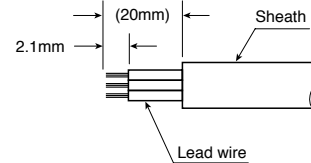
Conductor cross-section area	0.12 to 0.32mm ² (AWG26 to 22)
Lead wire diameter	φ 1.0 to φ 1.5mm
Wire material	Soft, twisted copper wire

Note: For the cable length, refer to the instruction manual of the device to which it is connected.

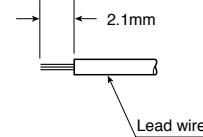
4 ASSEMBLY PROCEDURE

- ① Use a suitable cable and prepare its end, with a stripper, etc., as given in the figure below.
* When processing, make sure that the core wires are not scratched or damaged.

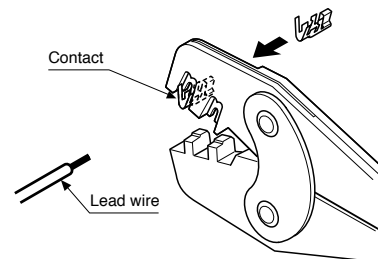
In case of cable



In case of single lead wire



- ② Setting the contact in the groove of the exclusive crimp tool as shown in the figure below, insert the lead wire into the contact and crimp.



<Recommended>

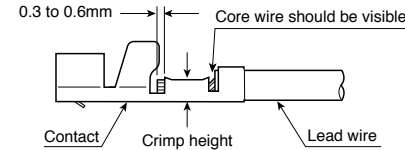
Crimping tool: YC-610R (AWG26 to 24) manufactured by J.S.T. MFG CO., LTD.
YC-611R (AWG22) manufactured by J.S.T. MFG CO., LTD.

- ③ After crimping, make sure to confirm that the crimp height is appropriate.

Cable size	Sheath diameter (mm)	Crimp height (mm)	
		Core wire	Sheath (Note)
AWG26	1.3	0.6 to 0.7	1.7
AWG24	1.5	0.65 to 0.75	1.8
AWG22	1.4	0.7 to 0.8	1.8

Note: The crimp height of sheath is a reference value.

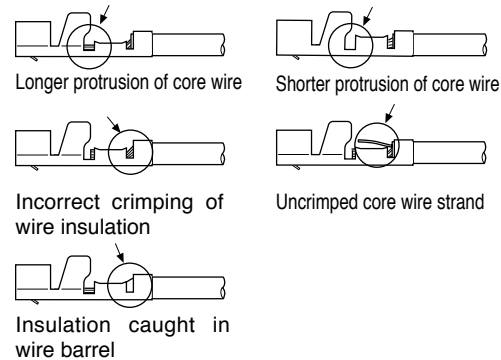
- Also, confirm that crimping is proper, as shown in the figure below.
In case the crimping is incorrect, cut the cable and repeat the procedure from Step ①.



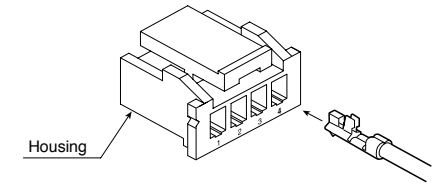
Good Not good Not good



Examples of incorrect crimping



- ④ As shown in the figure below, insert the contact to the end of the wire inlet of the housing. After inserting, make sure to confirm that the locking is proper by pulling lightly (10N) at the cable.



The pin position differs with the type of device connected. Please connect correctly after confirming the terminal arrangement of the device to which it is connected.