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Title of Document: HANDLING MANUAL	Revision No.	Date revised:
Title Subject: J-FAT-S-i Series Connector		Issued by: Engineering Centre Europe

This manual describes the precautions for handling of J-FAT-S-i series connector.

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1. Model Number

Part name	Type	Key	Model No.
J-FAT-S-i series connector (Receptacle)	Normal Type	Y	*JFAT-SAYGF-I
	Reverse Type	X	*JFAT-SBXGF-I
		Y	*JFAT-SBYGF-I
Open tool			J-FAT-OT

Note 1: '*' indicates the number of circuits.

- Information for reference

Applicable part: JFA connector J320 series

Part name	Type	Model No.
Applicable header	Top entry type	J320S B*B-F32SK-GGXR (LF)(AU)
		J320M B*B-F32MK-GGXYR (LF)(AU)
	Side entry type	J320S S*B-F32SK-GGXR (LF)(AU)
		J320M S*B-F32MK-GGXYR (LF)(AU)

Note 2: '*' indicates the number of circuits.

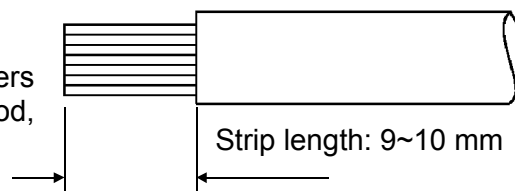
2. Applicable Wire

Item	Size
Conductor size	AWG #14 ~ AWG#18
Insulation O. D.	φ3.8 ~ φ2.1 mm
Conductor	Annealed copper stranded tin-plated wire

3. Terminating Wire

3-1 Wire strip

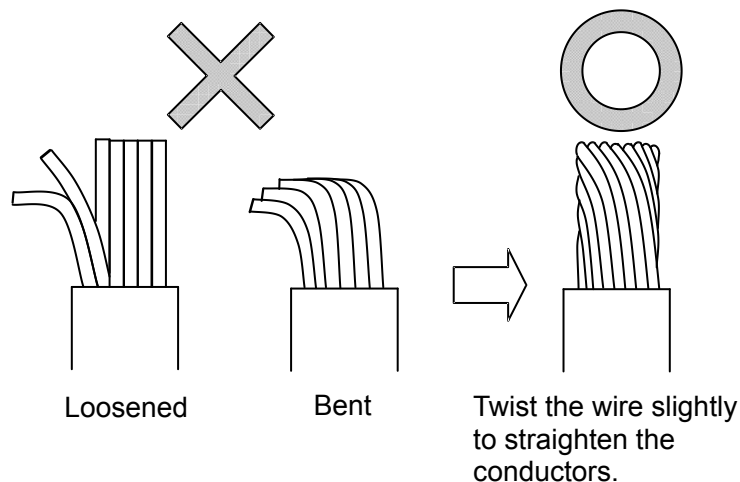
When a wire is stripped, do not damage or cut off the wire conductors. As wire strip length differs depending on the type of wire and crimping method, determine the best wire strip length considering the processing condition.



<Reference value of wire strip length>

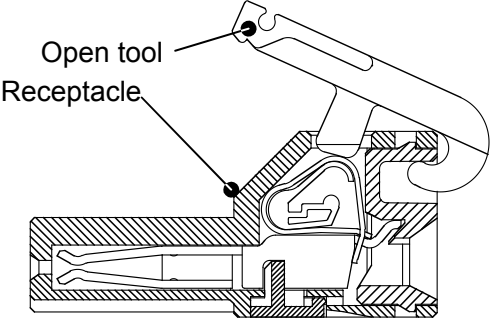
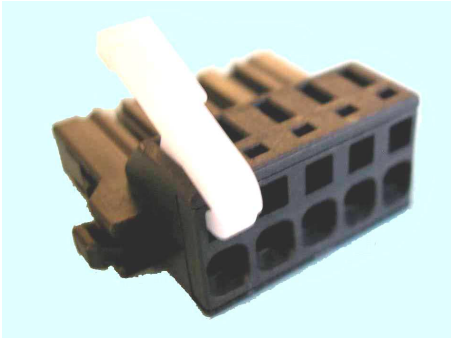
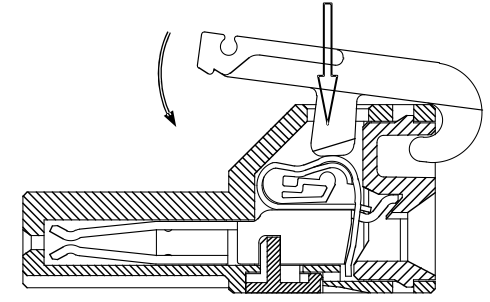
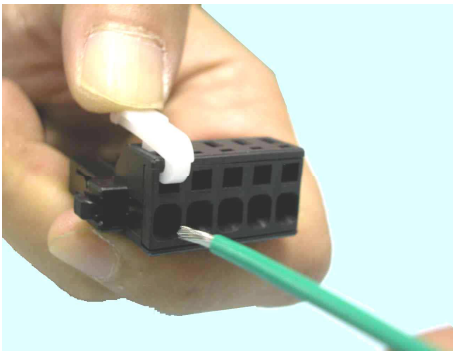
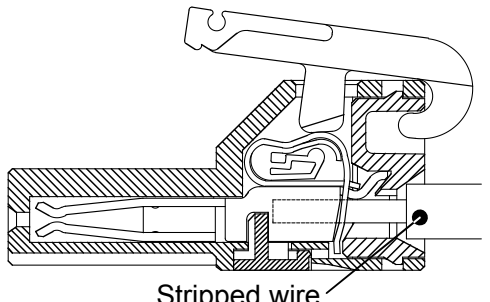
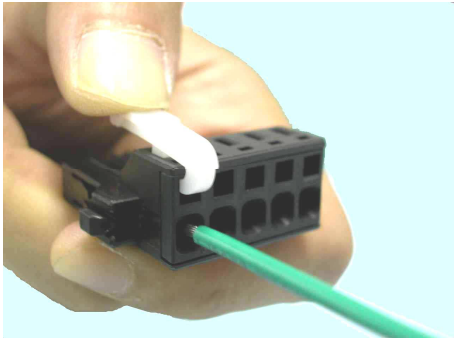
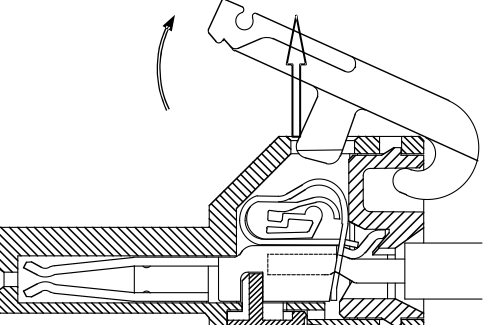
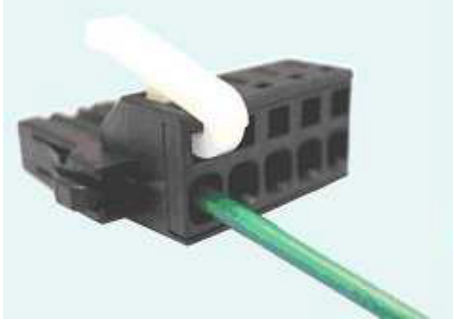
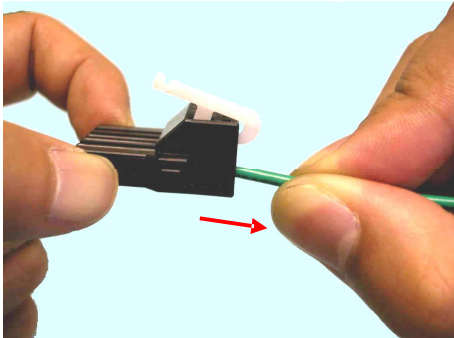
Size	Style	
	UL1007	UL1015
AWG#14	---	9.7 mm
AWG#16	9.3 mm	9.7 mm
AWG#18	9.3 mm	9.3 mm

If the conductors are loosened or bent, twist the wire slightly to straighten the conductors.



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3-2 Terminating wire

Operation item	Figure	Photo
(1) Insert tools such as an open tool and a flat bladescrewdriver from the operation slot to mount the connector.		
(2) Open the wire insertion hole by pushing down the spring.		
(3) Insert a stripped wire from the wire insertion hole while the spring is being pushed.		
(4) Leave the wire in the receptacle and extract the tool and then lock the wire.		
(5) Check the secure locking of each insertion by pulling the wire gently.	(Completion)	

Note 3: When a wire is extracted from the receptacle, push down the spring as stated in Step(3).

Note 4: When extracted wire is reused, check whether the conductors are broken or scratched.

Note 5: Do not conduct termination operation when a wire is live with electricity.

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4. Precautions for handling

- 1) Store the connectors in a place which temperature is 5 °C ~ 35 °C and humidity is 45% ~ 85%. Keep them free from direct sunlight, damp and dust.
- 2) If the connectors and the harnesses are stacked up, careful handling is required during storage and transportation, to prevent the deformation of the housing.

For connector itself, do not stack carton boxes more than 5 stacks. For the harness product, do not apply too much force to the housing part during storage and transportation.

- 3) Do not spray insecticide in a place where the connector and harness product are stored or harness operation is conducted as such spray may cause the metal part to be rusted.