



Title of Document:	HANDLING MANUAL	Issue No. CHM-1-2624	Rev. 1
Customer:	GENERAL	Issue date: March 26, 2018	
Title subject:	CL Connector	Revision date: April 16, 2020	

This handling manual describes the points of the assembly works and the handling of CL connector.

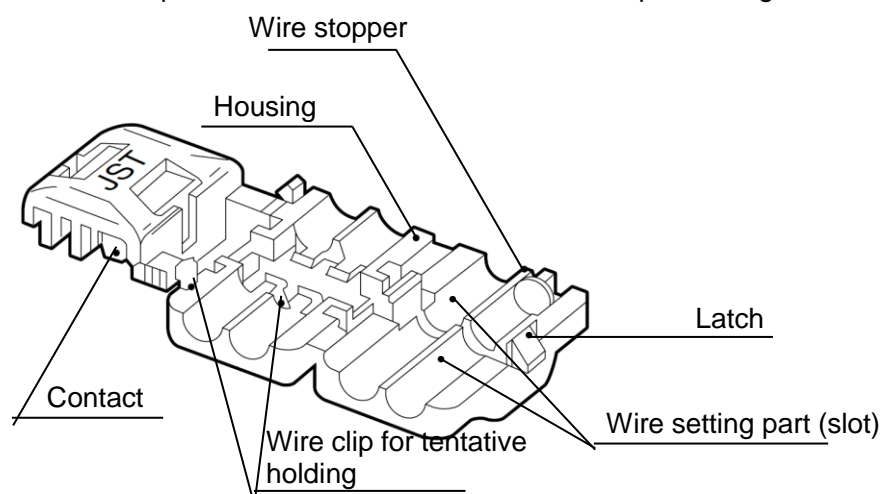
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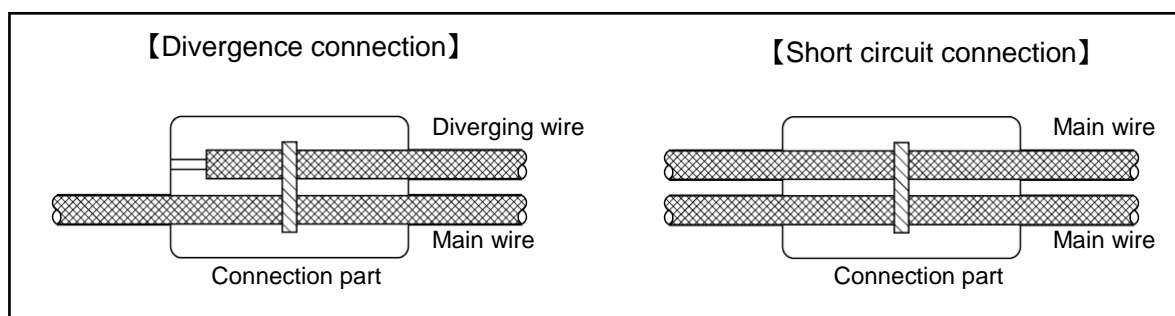
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1. Constitution and Name

Understand the mechanism and each part name of this CL connector for the processing and the assembly.



Connection type



2. Model Number

Model number	Type	Color
CL-2218T	Divergence	Red
CL-1814T		Blue
CL-2218S	Short circuit	Red
CL-1814S		Blue

3. Applicable Wire

Model number	Applicable wire range	Wire insulation O.D.
CL-2218T	0.3 - 0.75 mm ² AWG#22 - #18	2.2 - 3.2 mm
CL-2218S		
CL-1814T	0.75 - 2.0 mm ² AWG#18 - #14	2.4 - 3.9 mm
CL-1814S		

Note₁: When using wires with non-soft vinyl insulation, ones with many conductor constitution and other special ones, contact JST.

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4. Storage

4-1 Storing the connectors

Recommended storage condition: Temperature: 5 – 35 °C, Relative humidity 60 % or less
(Under packaging like the state of JST shipment)

Keep off direct sunlight, places exposing to such corrosive gas as industrial gas (generate from a stove and whatnot) and ammonia gas (generate from a toilet and whatnot) and dusty place.

Note that the resin molding part may break due to transportation and handling, such as processing and mating, under dry or low temperature condition.

After unpacking, return the products in the original package to store.

4-2 Storing the processed products

Not leaving the crimped contact to stand in a place exposed to high humidity and direct sunshine, and not placing them directly on the ground. Keep them in a clean storage room.

5. Assembly Work

Wires are set and the lid is closed twice to assemble.

(1) Setting wires

Set wires in the slots of the connector. (Fig.1)

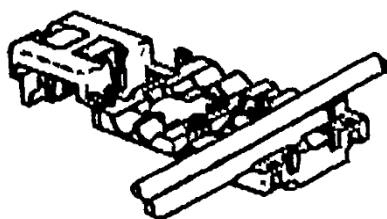


Fig.1

(2) Closing the lid (Holding wires)

Close another slotted lid as if it overlays the wires (Fig.1-2), and tentatively hold wires. (Fig.2)

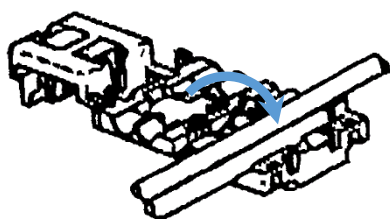


Fig.1-2

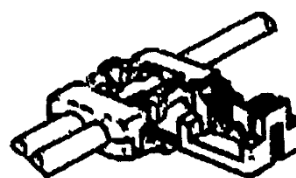


Fig.2

(3) Final closing of the lid (finish)

Close the lid of the contact side (Fig.2-1) and lock it with such a tool as a plier. (Fig.3)

If properly locked (latched), the assembly completes. (Fig.4)

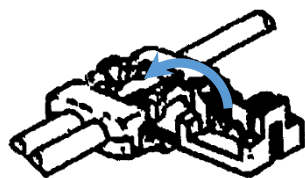


Fig.2-1

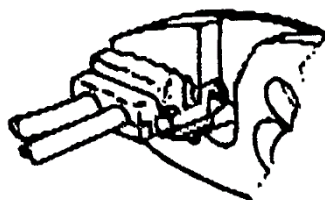


Fig.3

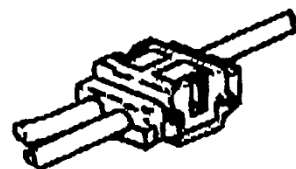


Fig.4

6. Notes for Handling

- ① Conduct the assembly work in a room with normal temperature (10 – 35 °C) as much as possible.
- ② Give some consideration to the assembled connectors so as to prevent them from deformation, and adhesion of foreign substances.
When they are tied together, limit the number in bundle and protect the connectors not to be deformed.
- ③ Do not stack too much quantity of the connectors nor place anything on them, because the weight of themselves may deform the contact, leading to troubles such as defective contacting and other defects.
- ④ Do not apply to the connector assembly an external load other than tension and a load stemmed from natural harness handling at all the time. Give some consideration for handing wires such as keeping an enough wire length and fixing wires not to apply an external load (about 30 N or less) to the connector and wires.