

INSTRUCTION MANUAL

BOX-CONNECTING CABLES FOR THE INTERLOCK CONNECTOR BOX

MODEL: TSC-MF48-1

MODEL: TSC-MF48-3

MODEL: TSC-MF48-5

MODEL: TSC-MF48-1-MTW

MODEL: TSC-MF48-3-MTW

MODEL: TSC-MF48-5-MTW

MODEL: TSC-MF48-1L

MODEL: TSC-MF48-3L

MODEL: TSC-MF48-5L

MODEL: TSC-MF48-1L-MTW

MODEL: TSC-MF48-3L-MTW

MODEL: TSC-MF48-5L-MTW

4th Edition August 10, 2005

MADOKA SYSTEM CO.,LTD

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1. Outline

The cable is exclusively used for connecting the interlock connector boxes.

The cable is exclusively used for TSC-MF-Z.

It can't be used for TSC-MF-S,-M due to the difference of the shape of the connectors.

2. Component Units

2-1. Product Component Units

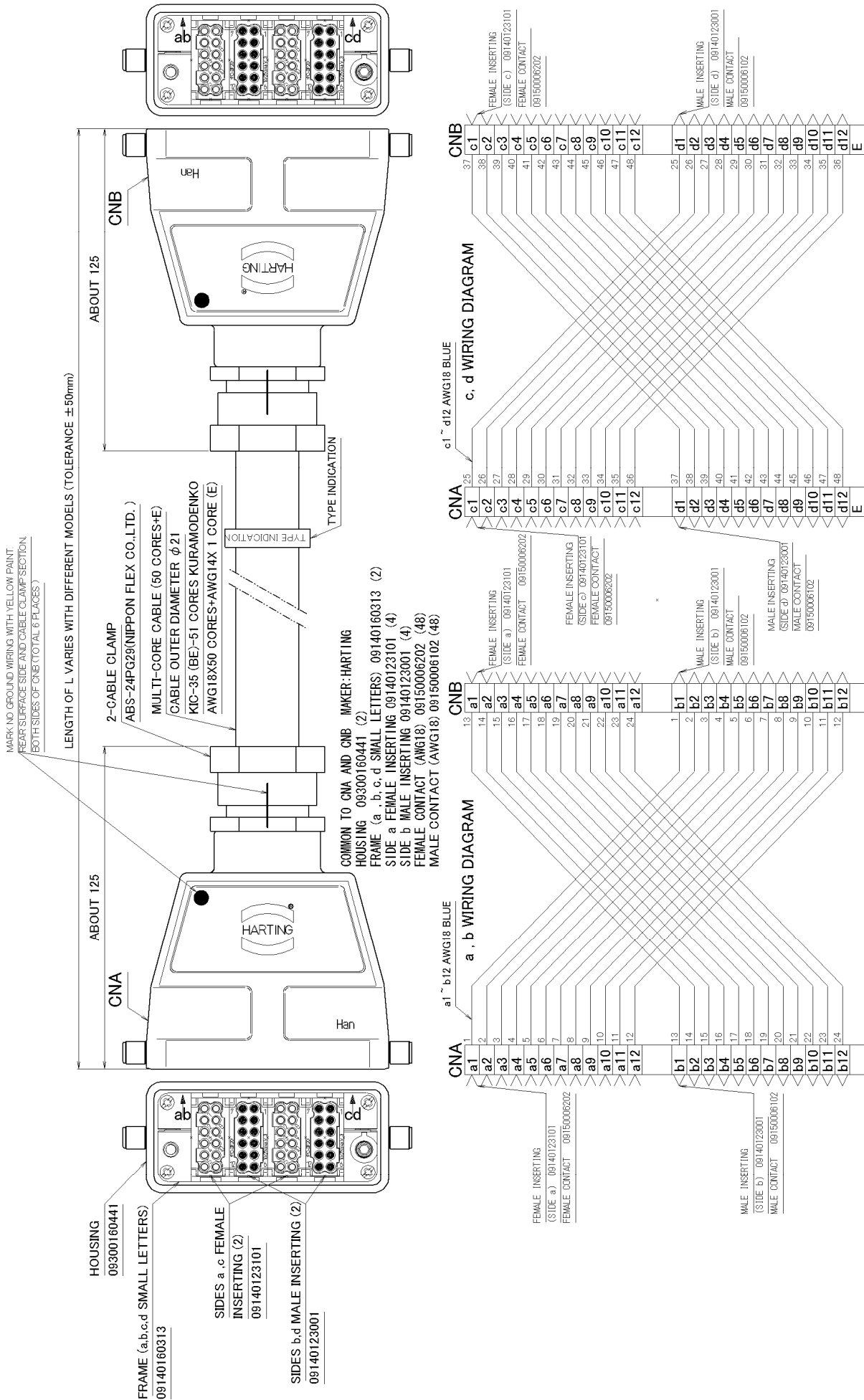
| DESCRIPTION | MODEL | DETAIL |
|-------------------------|-----------------|-------------------------|
| box-connecting cable 1m | TSC-MF48-1 | connector hood straight |
| box-connecting cable 3m | TSC-MF48-3 | connector hood straight |
| box-connecting cable 5m | TSC-MF48-5 | connector hood straight |
| box-connecting cable 1m | TSC-MF48-1-MTW | connector hood straight |
| box-connecting cable 3m | TSC-MF48-3-MTW | connector hood straight |
| box-connecting cable 5m | TSC-MF48-5-MTW | connector hood straight |
| box-connecting cable 1m | TSC-MF48-1L | connector hood L shape |
| box-connecting cable 3m | TSC-MF48-3L | connector hood L shape |
| box-connecting cable 5m | TSC-MF48-5L | connector hood L shape |
| box-connecting cable 1m | TSC-MF48-1L-MTW | connector hood L shape |
| box-connecting cable 3m | TSC-MF48-3L-MTW | connector hood L shape |
| box-connecting cable 5m | TSC-MF48-5L-MTW | connector hood L shape |

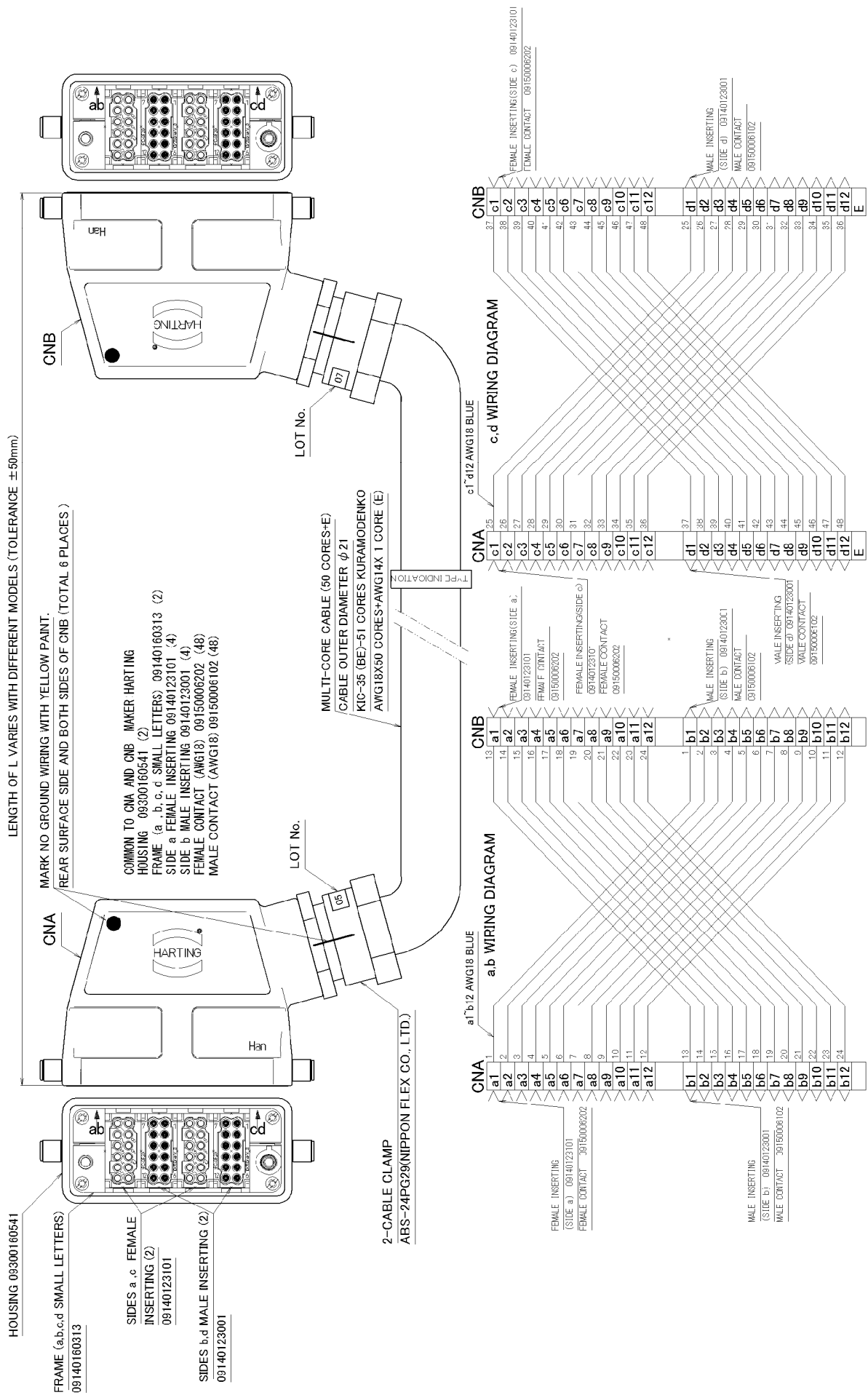
3. Specifications · Rating

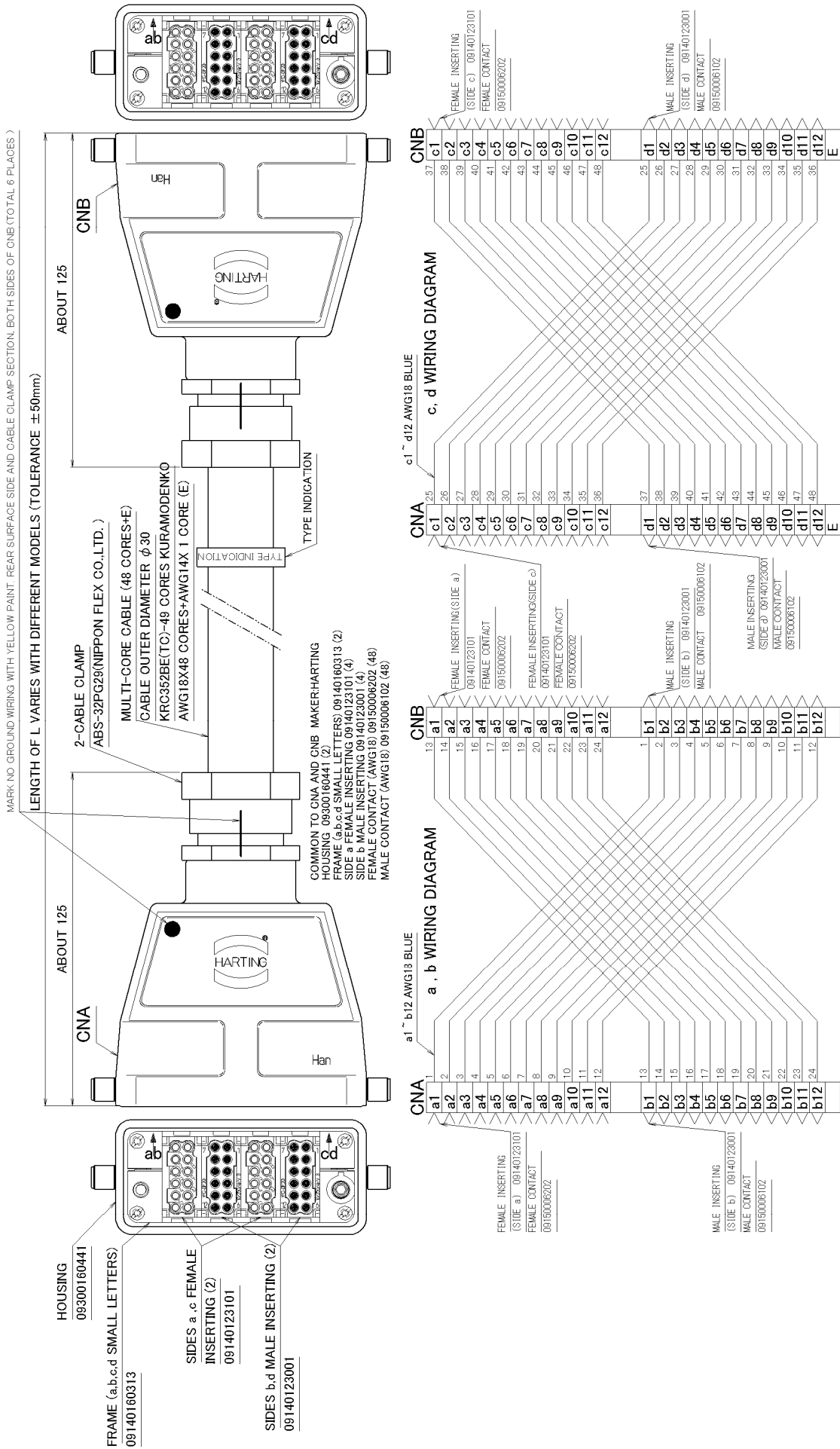
| ITEM | SPECIFICATIONS |
|--|----------------------------------|
| Vibration Resistance | IEC60068-2-6 Compliant |
| Impact Resistance | IEC60068-2-27 Compliant |
| Atmospheric Temperature for Use | 0 ~ 50°C |
| Atmospheric Humidity for Use | 25 ~ 85 % RH No Dew Condensation |
| Atmospheric Temperature for Preservation | -10 ~ 50°C |
| Environment for Use | No Corrosion Gas |
| Tolerable Voltage | 300V(Multi-core Cable) |
| | |
| | |
| | |
| | |

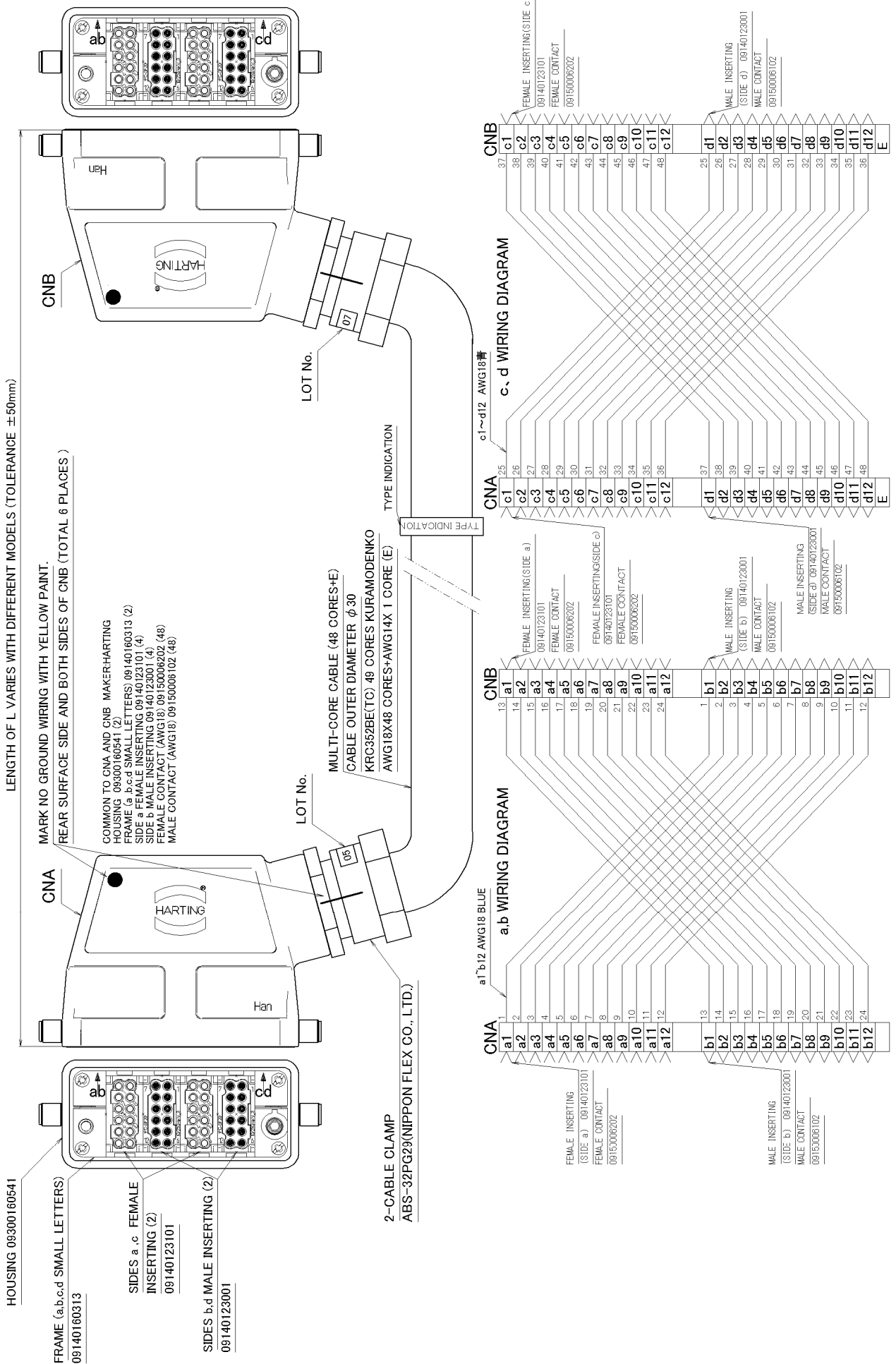
4. Cable Diagrams

4-1. TSC-MF48-□



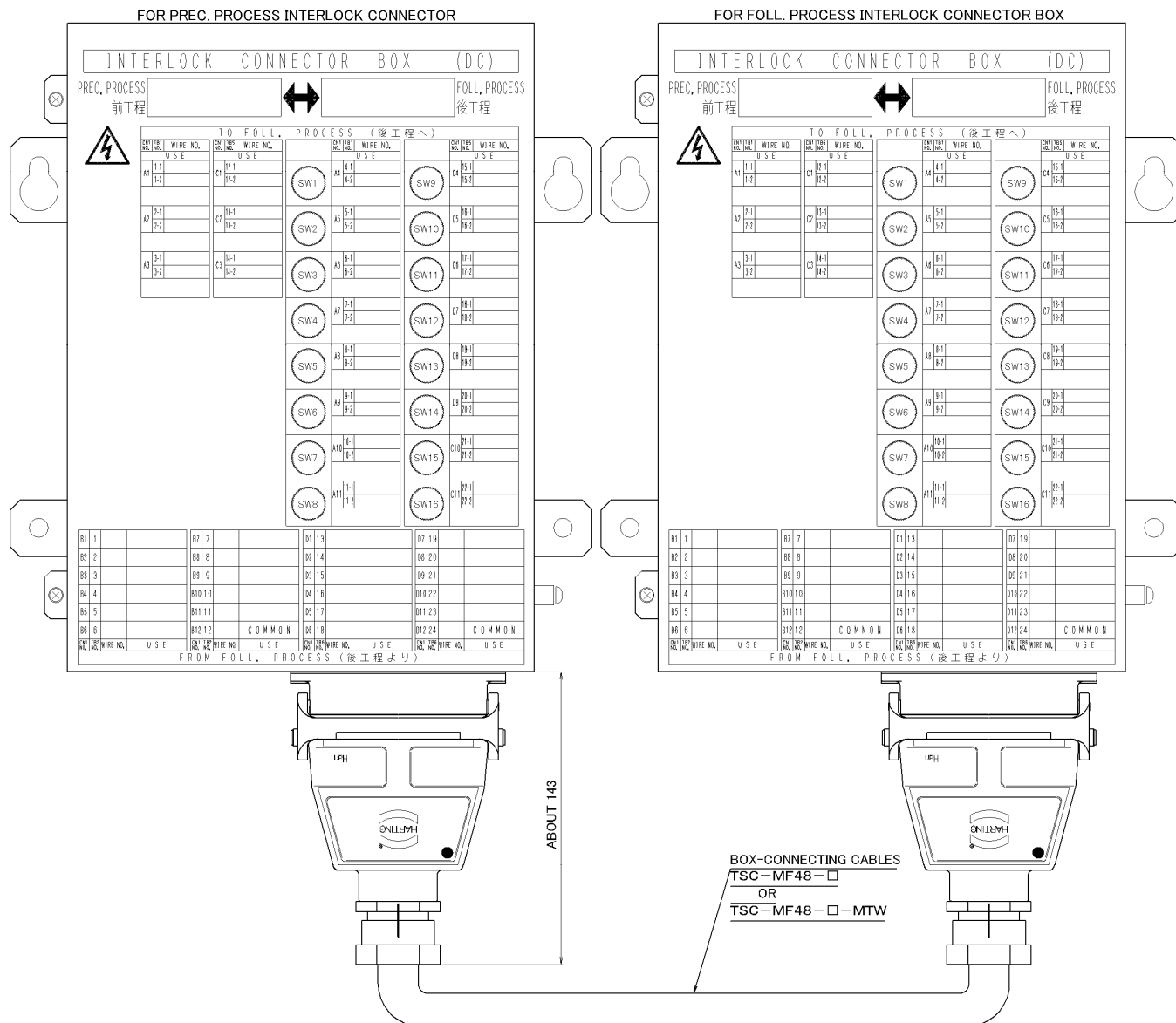




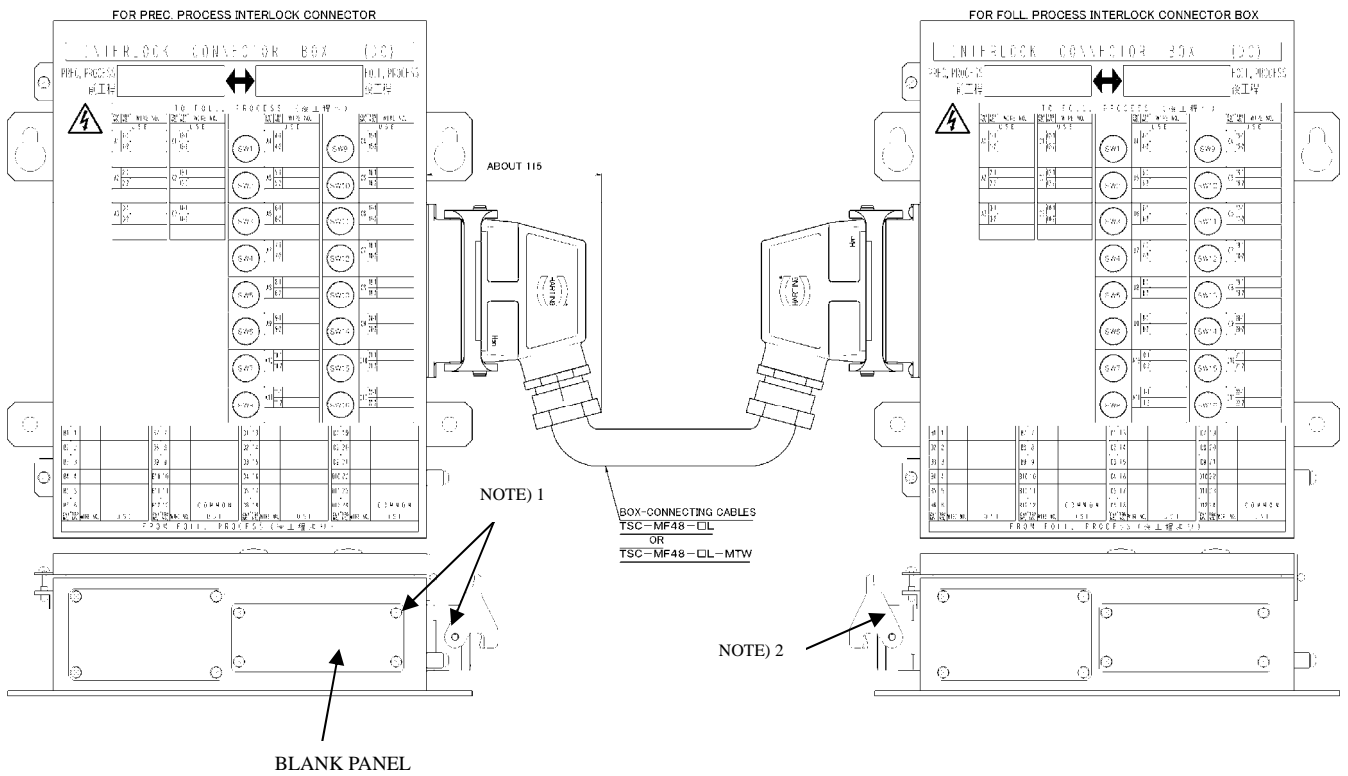


5. Connection

5-1. TSC-MF48-□ / TSC-MF48-□-MTW



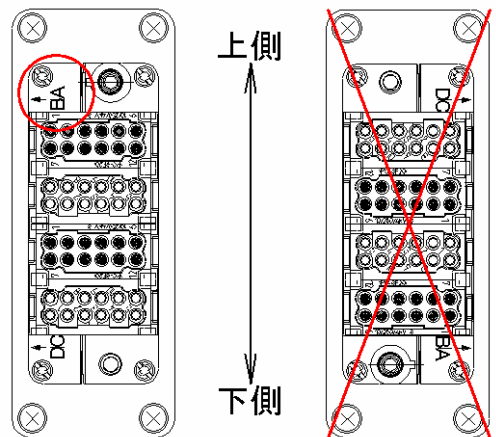
5-2. TSC-MF48-□L / TSC-MF48-□L-MTW



NOTE)1 CN1 is fixed with M4X12mm screws and L.&R. side faces blank panels are fixed with M4X8mm screws.
 Be sure to use M4X12mm screws for CN1 installation and M4X8mm screws for blank panels' fixation. (when CN1 is installed on both L.&R side faces)

NOTE)2 When installing CN1 to **L. side face**, change and install the lock lever that is installed to CN1 housing to R. side.

- CN1 connector is installed at the lower side when regular shipment. Please install it yourself when installing it to either L. or R. side face. When a connector is installed on the side face, connector A must be at the upper side.



| Edition | Detail | Date |
|---------|---|--|
| 1st | First edition | November 29 2003 |
| 2nd | Revision of general specifications, reference standard Addition of TSC-MF48-□L Addition of the compliant for installing the connection connector to L. & R. side faces Change of the address | February 23 2004 February 23 2004 February 23 2004 February 23 2004 |
| 3rd | Revision of internal wiring Abandoning of ground connection | September 13 2004 |
| 4th | Addition of TSC-MF48-□-MTW and TSC-MF48-□-MTW | August 10, 2005 |

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