

## 1. Scope

This document provides instructions for the cable assembly of HR08D plug connectors.

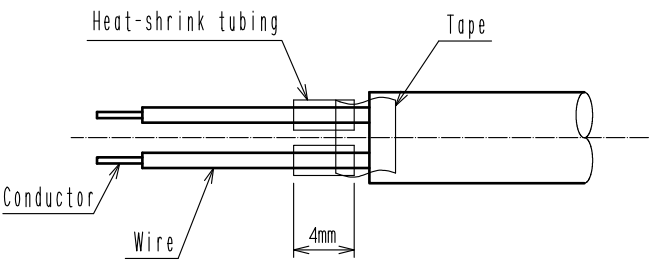
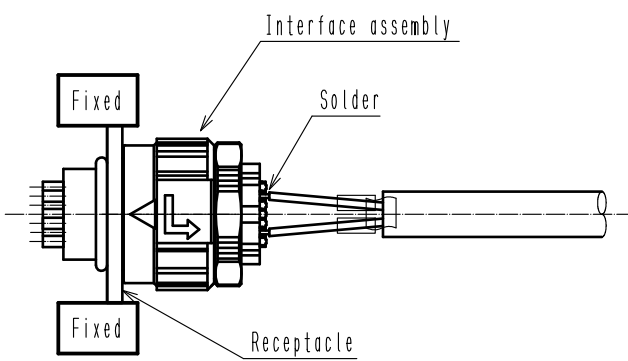
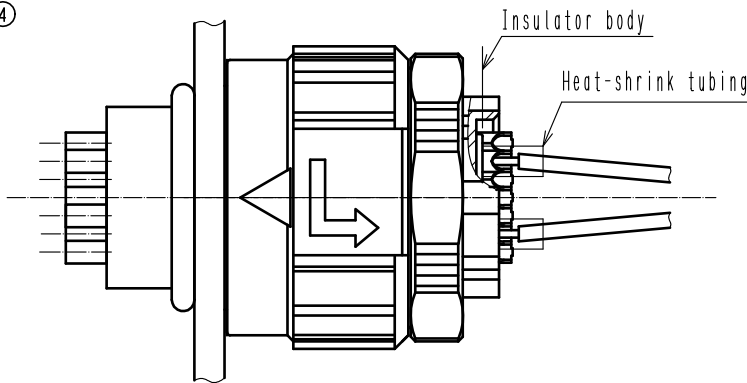
## 2. Termination procedures

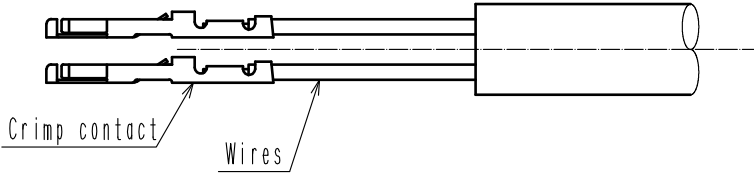
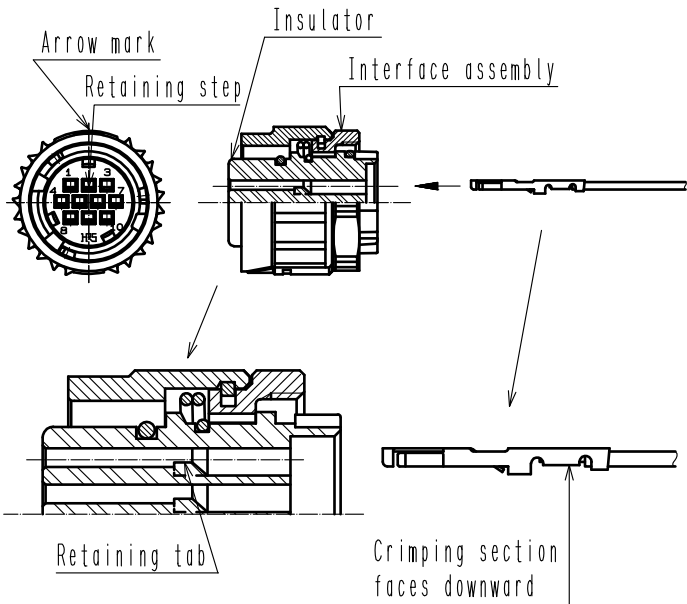
| No.                                                                                  | Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |          |         |      |   |                |           |               |          |  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|---------|------|---|----------------|-----------|---------------|----------|--|
| 1                                                                                    | <div><div>■Straight plugs</div><div><p>Spanner width dimension: 3.4mm</p><p>Rotation direction to loosen the connecting ring (clockwise)</p><p>Applicable receptacle</p><p>Sleeve</p><p>Connecting ring</p><p>Fixed</p><p>Fixed</p><p>Interface assembly</p><p>Straight outer shell</p><p>Wrench opening dimension: 18 mm</p></div></div> <div><div>■ Right-angle plugs</div><div><p>Spanner width dimension: 3.4mm</p><p>Wrench opening dimension: 18 mm</p><p>Applicable receptacle</p><p>Sleeve</p><p>Fixed</p><p>Fixed</p><p>Interface assembly</p><p>Right-angle outer shell</p></div></div> | <div>◆Disassembly of connectors</div> <p>After mating to an applicable receptacle, carefully loosen the connecting ring (rotate clockwise) and remove the straight (or right angle) outer shell.</p> <p>Note:P case could be broken by fixing straight (or right-angle) outer shell and untightening the sleeve together with the connecting ring without mating to an applicable receptacle.</p> <div>⚠ CAUTION</div> <p>When loosening the connecting ring, be careful not to accidentally rotate the lock collar together. Rotating the lock collar forcefully can damage the rotation stopper (protruding part from the housing) which render the connector unusable.</p> <div><p>Housing</p><p>Lock Collar</p><p>Connecting Ring</p><p>Lock Collar Rotation Stopper (Housing Protruding Part)</p></div> |                          |          |         |      |   |                |           |               |          |  |
| 3                                                                                    | <table><tr><th>COUNT</th><th>DESCRIPTION OF REVISIONS</th><th>DESIGNED</th><th>CHECKED</th><th>DATE</th></tr><tr><td>1</td><td>DIS-C-00004329</td><td>HT. ZENBA</td><td>HY. KOBAYASHI</td><td>20201026</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                          | COUNT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | 1 | DIS-C-00004329 | HT. ZENBA | HY. KOBAYASHI | 20201026 |  |
| COUNT                                                                                | DESCRIPTION OF REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DESIGNED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CHECKED                  | DATE     |         |      |   |                |           |               |          |  |
| 1                                                                                    | DIS-C-00004329                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HT. ZENBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HY. KOBAYASHI            | 20201026 |         |      |   |                |           |               |          |  |
| <div><div>TITLE</div><div>Termination procedure for HR08D plug connector</div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |          |         |      |   |                |           |               |          |  |
| <div><div>TECHNICAL SPECIFICATION</div></div>                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |          |         |      |   |                |           |               |          |  |

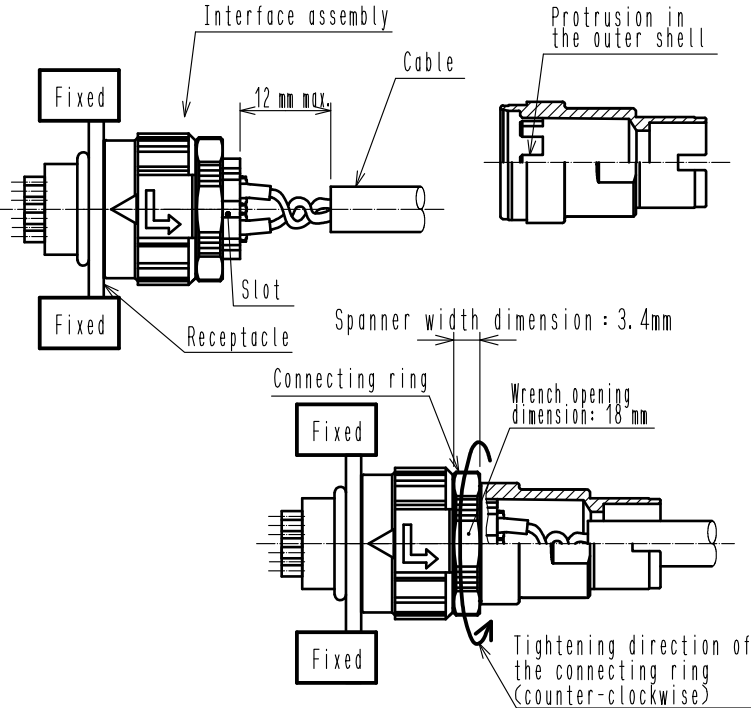
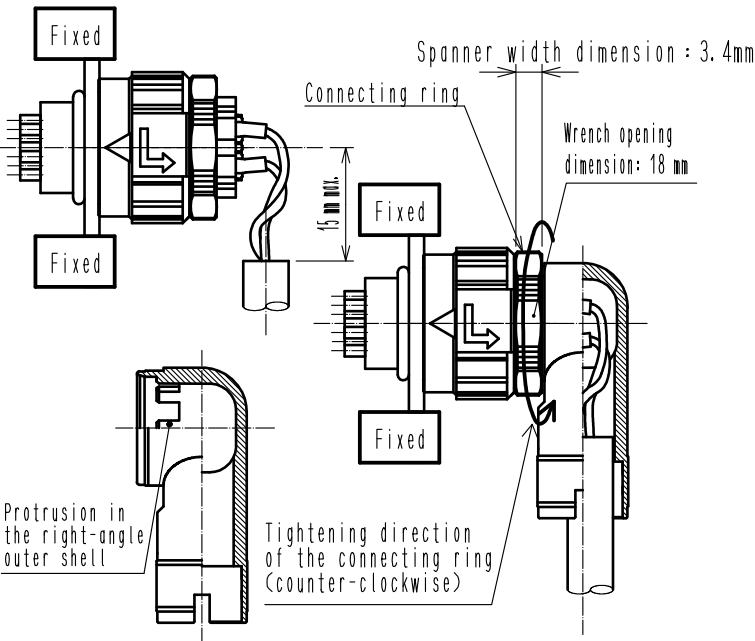
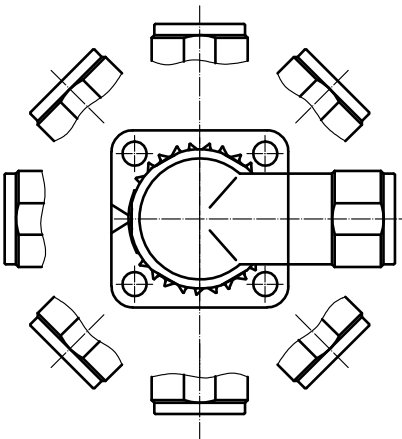
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| <div><div>HR</div><div>HIROSE ELECTRIC CO., LTD.</div></div> |               |          |
| APPROVED                                                     | YH. YAMADA    | 20160527 |
| CHECKED                                                      | HY. KOBAYASHI | 20160527 |
| CHARGED                                                      | DS. MATSUNE   | 20160527 |
| WRITTEN                                                      | DS. MATSUNE   | 20160527 |

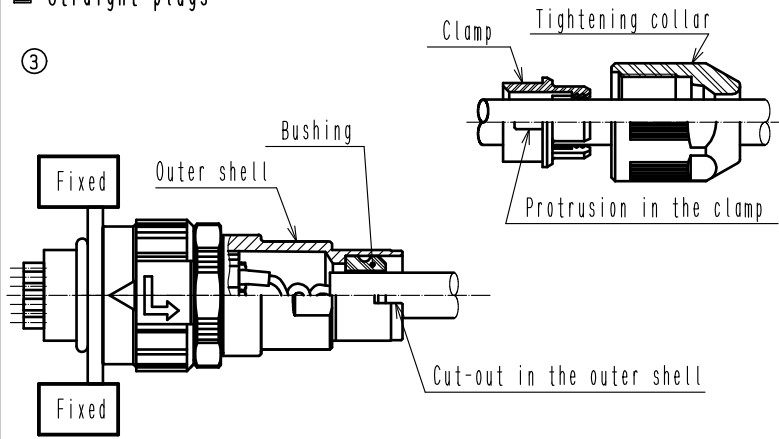
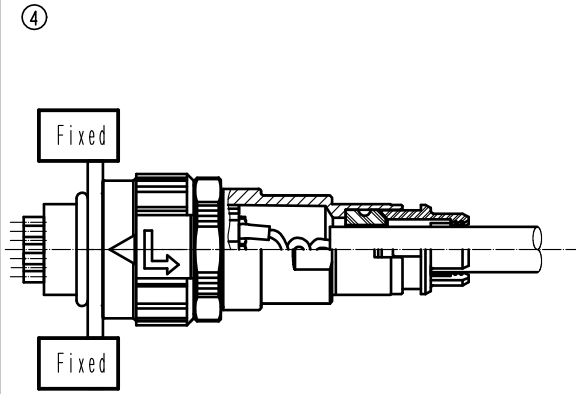
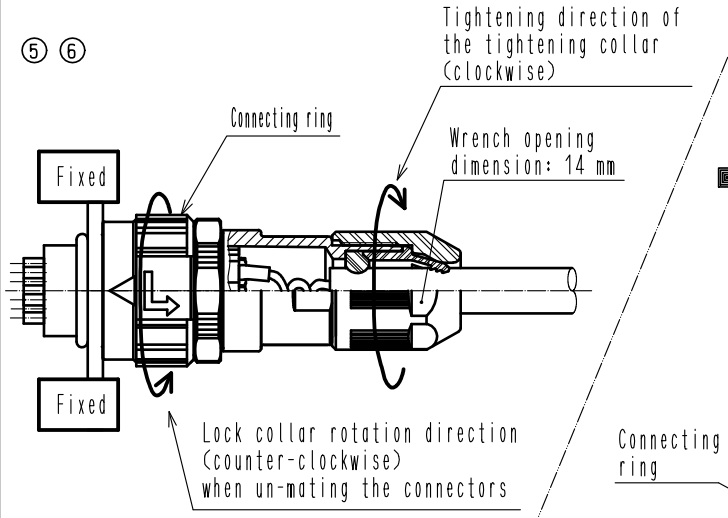
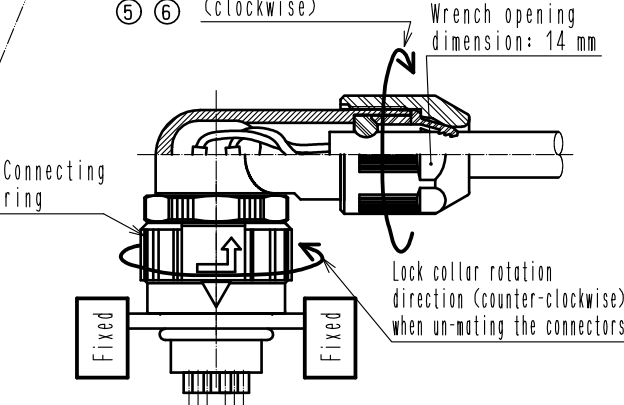
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| No.                                 | Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Operation     |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|-----------|--------------------------|----------|----------------------|--------------------|----------|-----------|----------------------------------|-------------------------|---------|-------------------------------------|----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-------|-------------|-------------|-----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                                   | <div><p>Thread② Straight outer shell Thread③ Thread④ Tightening collar</p><p>Interface assembly Thread①</p><p>M16X0.75</p><p>M16X0.75 Thread② Right-angle outer shell Thread③</p><p>Occasion for application of Loctite 7649 (primer)</p><table><tr><th></th><th>Thread①</th><th>Thread②</th><th>Thread③</th><th>Thread④</th></tr><tr><td>Straight outer shell</td><td></td><td></td><td></td><td></td></tr><tr><td>Right-angle outer shell</td><td></td><td></td><td></td><td></td></tr><tr><td>Plastic</td><td>Necessary</td><td>Necessary</td><td>Necessary</td><td>Necessary</td></tr><tr><td>Metal</td><td>Unnecessary</td><td>Unnecessary</td><td>Necessary</td><td>Necessary</td></tr></table></div> <div><p>■ Straight plugs</p><p>Termination end Straight outer shell Bushing Tightening collar</p><p>Cable Clamp Chamfer</p><p>■ Right-angle plugs</p><p>Right-angle outer shell Bushing Clamp Tightening collar</p><p>Cable Chamfer Termination end</p></div> |               | Thread①   | Thread②   | Thread③                  | Thread④  | Straight outer shell |                    |          |           |                                  | Right-angle outer shell |         |                                     |          |         | Plastic                                                                                                                                                                                                                       | Necessary | Necessary | Necessary | Necessary | Metal | Unnecessary | Unnecessary | Necessary | Necessary | <p>◆Connector assembly furnishings</p> <p>If the straight (or right angle) outer shell is made from plastic, using spray, brush or another method, coat all threads of the following parts with Loctite 7649(primer) (or equivalent) manufactured by Henkel Japan Ltd.</p> <p>If the straight (or right angle) outer shell is made from metal, there is no need to spray the M16×0.75 threads of either interface assembly or straight (or right angle) outer shell.</p> <p>Note: Allow for full drying in a well ventilated area (30 to 70 seconds), assuring that there is no contamination of the coated areas.</p> <p>◆Passing of the cable through connector parts</p> <p>Pass the cable through the individual parts as shown in the illustration (in the correct order) making sure that the termination end is on the correct side.</p> <p>Note: Check the direction of the bushing. Assembling in wrong direction could cause failure of sealing.</p> |
|                                     | Thread①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Thread②       | Thread③   | Thread④   |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Straight outer shell                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Right-angle outer shell             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Plastic                             | Necessary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Necessary     | Necessary | Necessary |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Metal                               | Unnecessary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unnecessary   | Necessary | Necessary |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                   | <div><p>Amm Bmm</p><p>Cable outer insulation</p><p>Conductor Wires</p><table><tr><th></th><th>A</th><th>B</th></tr><tr><td>10-position, wire solder</td><td>15 ± 0.5</td><td>2 ± 0.5</td></tr><tr><td>10-position, crimp</td><td>20 ± 0.5</td><td>3.2 ± 0.3</td></tr><tr><td>2-position, wire solder straight</td><td>15 ± 0.5</td><td>5 ± 0.5</td></tr><tr><td>2-position, wire solder right-angle</td><td>20 ± 0.5</td><td>5 ± 0.5</td></tr></table></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | A         | B         | 10-position, wire solder | 15 ± 0.5 | 2 ± 0.5              | 10-position, crimp | 20 ± 0.5 | 3.2 ± 0.3 | 2-position, wire solder straight | 15 ± 0.5                | 5 ± 0.5 | 2-position, wire solder right-angle | 20 ± 0.5 | 5 ± 0.5 | <p>◆Termination of the cable</p> <p>Using appropriate tools, strip the cable and individual wires per the dimensions shown in the table. Observe the allowed tolerances and avoid damage to the insulation or conductors.</p> |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                     | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B             |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10-position, wire solder            | 15 ± 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 ± 0.5       |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10-position, crimp                  | 20 ± 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.2 ± 0.3     |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2-position, wire solder straight    | 15 ± 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5 ± 0.5       |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2-position, wire solder right-angle | 20 ± 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5 ± 0.5       |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HRS HIROSE ELECTRIC CO., LTD.       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ETAD-C0290-00 |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2             |           |           |                          |          |                      |                    |          |           |                                  |                         |         |                                     |          |         |                                                                                                                                                                                                                               |           |           |           |           |       |             |             |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| No. | Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| 4   | <p>① ②</p>  <p>Heat-shrink tubing</p> <p>Tape</p> <p>Conductor</p> <p>Wire</p> <p>4mm</p> <p>③</p>  <p>Fixed</p> <p>Interface assembly</p> <p>Solder</p> <p>Fixed</p> <p>Receptacle</p> <p>④</p>  <p>Insulator body</p> <p>Heat-shrink tubing</p> | <p>◆Wire termination of the connector</p> <p>4-1 Type of wire solder</p> <p>① Pre-solder the exposed conductors making sure that no individual strands are protruding.</p> <p>② Prepare 4 mm long pieces of appropriate heat-shrink tubing and pass each over the wires toward the outer insulation of the cable, as shown in the illustration. Secure each of them with tape to the outer insulation.</p> <p>Note: The heat-shrink tubing will need to be moved over the solder joints after the completion of the soldering process.</p> <p>③ Mate the interface assembly with the corresponding receptacle secured in a holding fixture (not supplied) or secure it by other means.</p> <p>Assure correct orientation and complete lock.</p> <p>Fully insert individual conductors in the corresponding solder cups and solder one at the time.</p> <p>Note: Assure that the solder compound has melted sufficiently and the solder joints are secure.</p> <p>④ Slide forward each of the heat-shrink tubing over the solder joints making sure that it rests against the surface of the insulator. Using a heat gun, shrink each over the solder joints.</p> <p>Note: Exercise caution not to damage the wire and cable insulation or other components.</p> |

| No.       | Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Operation     |      |             |        |                              |               |           |       |         |            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------|-------------|--------|------------------------------|---------------|-----------|-------|---------|------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | <p>① ②</p>  <p>Table of Applicable Tools</p> <table border="1"> <thead> <tr> <th>Type</th><th>Name</th><th>Part number</th></tr> </thead> <tbody> <tr> <td>Manual</td><td>Manual contact crimping tool</td><td>HT304/HR34B-1</td></tr> <tr> <td rowspan="2">Automatic</td><td>Press</td><td>CM-105C</td></tr> <tr> <td>Applicator</td><td>AP105-HR34B-1</td></tr> </tbody> </table>  | Type          | Name | Part number | Manual | Manual contact crimping tool | HT304/HR34B-1 | Automatic | Press | CM-105C | Applicator | AP105-HR34B-1 | <p>4-2 Crimping type</p> <p>① Following the instructions enclosed with the applicable tool, crimp the contacts to the wires.</p> <p>② Verify the crimp height and configuration per the crimp condition table supplied with the tools.</p> <p>③ Insert the contact in the insulator with the retaining tab facing downward and the retaining step oriented as shown in the illustration.</p> <p>Full an insertion will be a confirmed with an audible click and tactile feeling.</p> <p>Verify full insertion with a slight pull on the wire.<br/>(pull force of 2 to 3 N)</p> <p>Notes:(1)Incorrect orientation of the contact will result in damaged contacts.</p> <p>(2)Do not push contacts further than needed to retain in the insulator body.</p> <p>(3)P case retaining tab could be broken by pulling with more than 20N.</p> |
| Type      | Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Part number   |      |             |        |                              |               |           |       |         |            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manual    | Manual contact crimping tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HT304/HR34B-1 |      |             |        |                              |               |           |       |         |            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Automatic | Press                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CM-105C       |      |             |        |                              |               |           |       |         |            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|           | Applicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AP105-HR34B-1 |      |             |        |                              |               |           |       |         |            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| No. | Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 5   | <p data-bbox="284 129 480 163">■ Straight plugs</p> <p data-bbox="309 170 376 203">① ②</p>  <p>The diagram illustrates the assembly of a straight plug. It shows a cross-section of the interface assembly with a cable inserted. Key dimensions and components are labeled: 'Interface assembly', 'Cable', 'Protrusion in the outer shell', 'Fixed' (for the receptacle and plug), 'Slot', 'Spanner width dimension: 3.4mm', 'Wrench opening dimension: 18 mm', and 'Tightening direction of the connecting ring (counter-clockwise)'. A dimension of '12 mm max.' is indicated for the cable protrusion.</p> <p data-bbox="284 1261 517 1294">■ Right-angle plugs</p> <p data-bbox="309 1301 376 1335">① ②</p>  <p>The diagram illustrates the assembly of a right-angle plug. It shows a cross-section of the interface assembly with a right-angle plug inserted. Key dimensions and components are labeled: 'Spanner width dimension: 3.4mm', 'Connecting ring', 'Wrench opening dimension: 18 mm', 'Protrusion in the right-angle outer shell', and 'Tightening direction of the connecting ring (counter-clockwise)'. A dimension of '15 mm max.' is indicated for the cable protrusion.</p> | <p data-bbox="1074 141 1350 174">◆ Assembly of connectors</p> <p data-bbox="1074 181 1485 394">① Bring the insulation edge of the cable to the dimensions shown on the illustrations (12mm max. for the straight outer shell, and 15mm max. for the right angle outer shell) by forming the wires.</p> <p data-bbox="1074 427 1437 551">Note: Make sure that there is no force applied to the individual solder or crimp joints.</p> <p data-bbox="1110 573 1461 730">It is critical that the 12 mm max. and 15 mm max. dimensions (as applicable) are maintained through the completion of the assembly.</p> <p data-bbox="1074 786 1461 909">Note: Failure to do so may result in failure of the cable strain relief and waterproof performance.</p> <p data-bbox="1074 965 1445 1066">② Coat the threads of the outer shell with a Loctite 243 (or equivalent) compound.</p> <p data-bbox="1110 1088 1461 1357">Align the protrusion in the outer shell with the corresponding slot on the back of the Interface assembly, insert and tighten the connecting ring, rotating it counterclockwise (0.9N.m to 1N.m torque) with mating to an applicable resepectacle.</p> <p data-bbox="1074 1391 1437 1536">Note: Position the right angle outer shell as required at intervals of 45° with respect to the Interface assembly.</p> <p data-bbox="1110 1570 1453 1626">Installation positions for the right-angle outer shell</p>  <p>The diagram shows a top-down view of a circular interface assembly with eight slots. Eight right-angle outer shells are shown being inserted into these slots at 45-degree intervals. Each shell has a protrusion that fits into a slot on the back of the interface assembly.</p> |

| No. | Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 5   | <p>■ Straight plugs</p> <p>③</p>  <p>④</p>  <p>⑤ ⑥</p>  <p>Tightening direction of the tightening collar (clockwise)</p> <p>Wrench opening dimension: 14 mm</p> <p>Lock collar rotation direction (counter-clockwise) when un-mating the connectors</p> <p>■ Right-angle plugs</p> <p>⑤ ⑥</p>  <p>Tightening direction of the tightening collar (clockwise)</p> <p>Wrench opening dimension: 14 mm</p> <p>Lock collar rotation direction (counter-clockwise) when un-mating the connectors</p> | <p>◆ Assembly of connectors(continued)</p> <p>③ Install the bushing at the specified position as indicated in the illustration on the left.</p> <p>④ Install the clamp, making sure that the protrusion fits into the corresponding slot in the outer shell.</p> <p>⑤ Coat the threads of the outer shell with a Loctite 243 and Loctite 7649 (primer) (or equivalent) compound and attach the tightening collar (0.9N.m to 1N.m torque), making sure that the clamp remains in the correct position.</p> <p>Note: Failure to do so may result in failure of the cable strain relief and waterproof performance.</p> <p>⑥ Turn the lock collar in the direction shown and separate the plug from the receptacle.</p> <p>After the connector assembly procedure is completed, please confirm waterproof and electric performance.</p> |