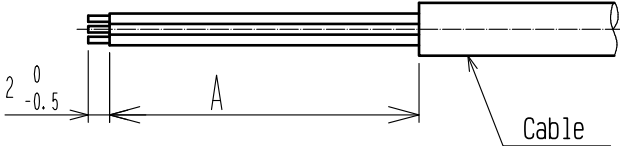
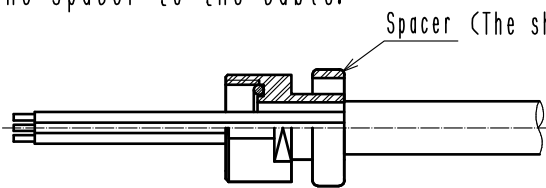
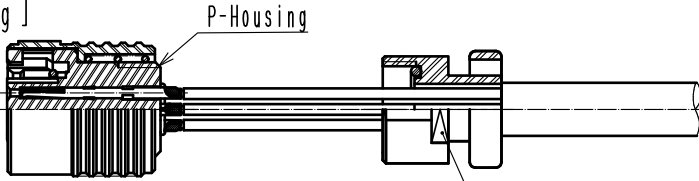
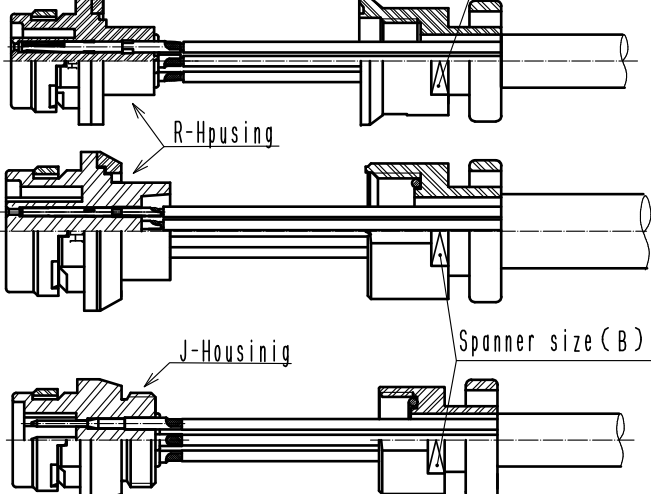


1. Scope

This is document provides instruction for wiring HR30 overmold type connector.

2. Procedure step

No.	Harness procedure								
1	<p>Strip the cable jacket.</p>  <p>Cable</p> <table border="1"><caption>table 1</caption><thead><tr><th></th><th>A</th></tr></thead><tbody><tr><td>Solder type:3 and 6 pos.</td><td>20mm max</td></tr><tr><td>Solder type:12 pos.</td><td>25mm max</td></tr><tr><td>Crimp type:10 and 12 pos.</td><td>30~35mm</td></tr></tbody></table>		A	Solder type:3 and 6 pos.	20mm max	Solder type:12 pos.	25mm max	Crimp type:10 and 12 pos.	30~35mm
	A								
Solder type:3 and 6 pos.	20mm max								
Solder type:12 pos.	25mm max								
Crimp type:10 and 12 pos.	30~35mm								
2	<p>Insert the spacer to the cable.</p>  <p>Spacer (The shape is an example.)</p>								
3	<p>⚠️◆Solder type</p> <p>Insert the P-Housing, R-Housing, J-Housing in the applicable solder termination fixture. Solder the wires to the contacts of the P-Housing, R-Housing, J-Housing. For details on the soldering, see HR30 Plug connector Harness Assembly Instructions (ATAD-C0509-00) and HR30 Jack connector Harness Assembly Instructions (ATAD-C0476-00).</p> <p>[Plug]</p>  <p>P-Housing</p> <p>Spanner size (B)</p> <table border="1"><thead><tr><th>Spanner size</th><th>(B)</th></tr></thead><tbody><tr><td>6 size</td><td>8</td></tr><tr><td>7,8 size</td><td>11</td></tr></tbody></table> <p>[Jack] (Shape varies by product)</p>  <p>R-Housing</p> <p>J-Housing</p> <p>Spanner size (B)</p> <p>Soldering conditions Soldering iron tip temperature : 350±10℃ Soldering time: 3seconds min.</p> <p>⚠️Caution</p> <p>Solder connection conditions must be strictly observed. Failure to observe them may result in the melting of insulators or the loss of terminals.</p>	Spanner size	(B)	6 size	8	7,8 size	11		
Spanner size	(B)								
6 size	8								
7,8 size	11								
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE					
7	DIS-C-00014992	HY. KISHI	HY. KOBAYASHI	20230404					
名称	TITLE		HRS ヒロセ電機株式会社 HIROSE ELECTRIC CO., LTD.						
Assembly procedure for HR30 overmold type connectors.			APPROVED	MO. SATOH	20090827				
			CHECKED	HY. KISHI	20090827				
			CHARGED	TY. SUZUKI	20090827				
			WRITTEN	TY. SUZUKI	20090827				
技術指定書 TECHNICAL SPECIFICATION			ETAD-C0198-00		1/4				

No. .

Harness Procedure

⚠️【 Cover the soldered connection with a shrinking tube 】

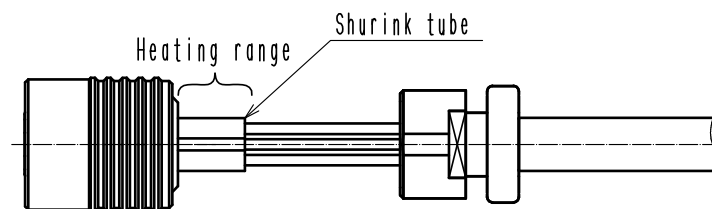
The heating range when processing the shrink tube at the connection portion after soldering is shown in the figure. Please note that the following may occur if the product is heated beyond the heating range.

①The product melts.

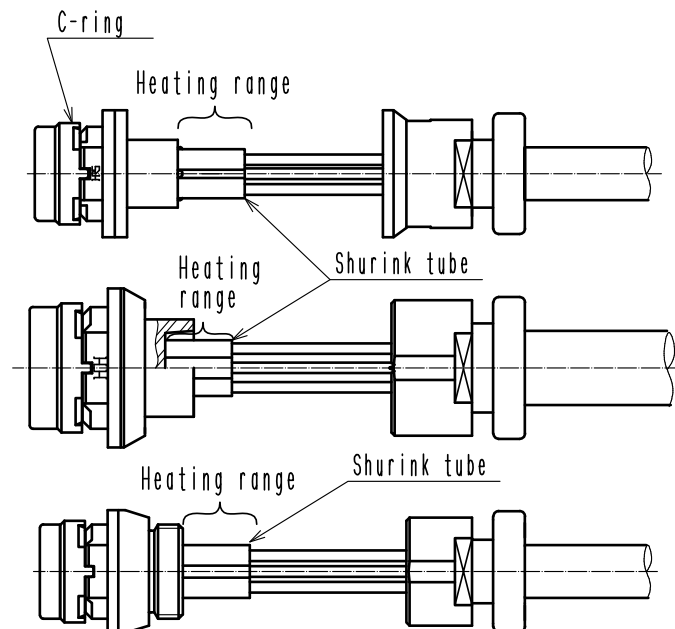
②The C ring is deformed and does not lock when mated.

In order to prevent deformation of the C ring as described in ①, please heat after mating the compatible plug and receptacle.

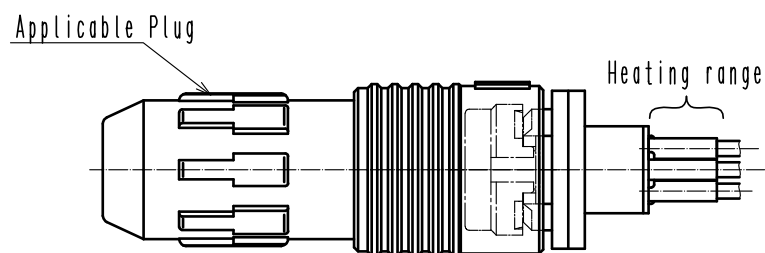
[Plug]

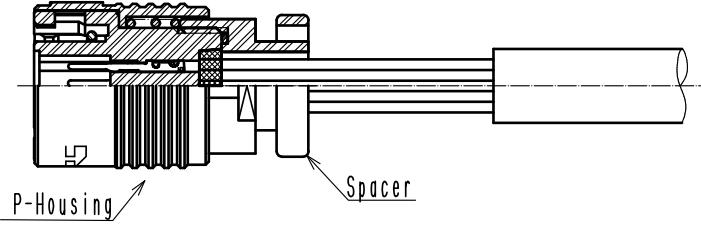
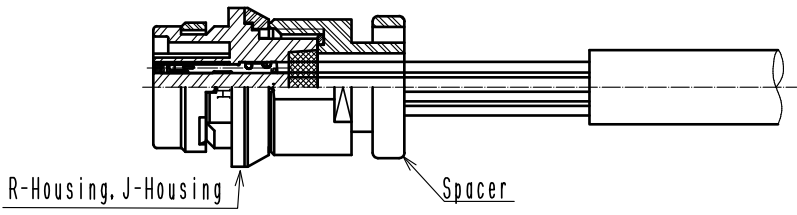
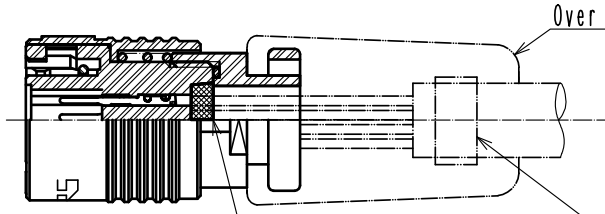
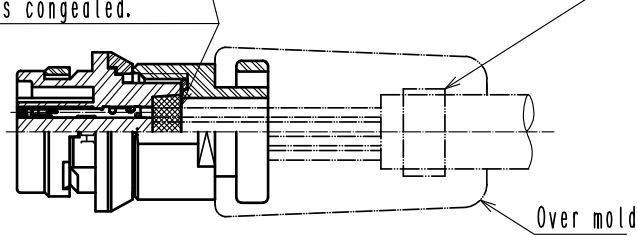
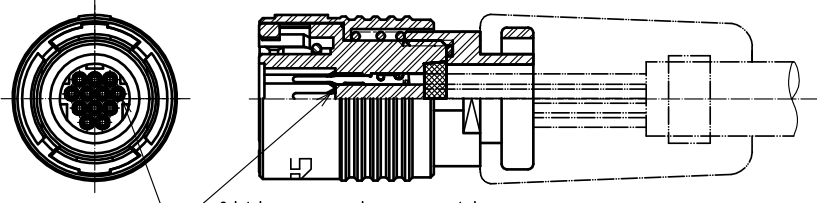
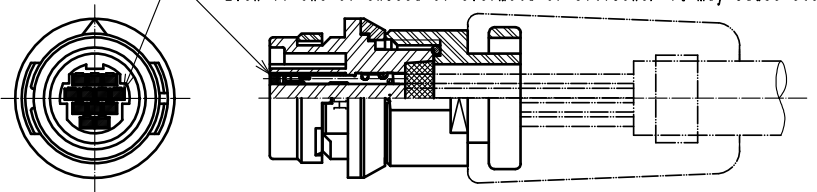


[Jack]



Assembly phase diagram



No.	Harness Procedure		
6	<div>⚠️◆Solder type, Crimp type Common</div> <div>Assemble Spacer to the P-Housing, R-Housing, J-Housing.</div> <div>(The recommended clamp tooorque of spacer to be 0.45~0.5N・m. To prevent loosening, please apply Loctite 263 and LocPrimer 7649 made by Henkel Japan based on technial Specification ATAD-C0151-00 (HR30 Loctite application method).</div> <div><div>[Plug]</div><div></div></div> <div><div>[Jack]</div><div></div></div>		
7	<div>⚠️ Overmolding</div> <div><div>[Plug]</div><div></div></div> <div><div>[Jack]</div><div></div></div> <div>Please start overmolding after silicones has congealed.</div>		
8	<div>⚠️ After overmolding</div> <div>Please check whether silicone and overmold has exceeded to edge of contact hole which is mating point side. Here is sample which may caused electric problem.</div> <div><div>[Plug]</div><div></div></div> <div><div>[Jack]</div><div></div></div> <div>Even if one of exceed of overmold or silicone, it may cause electric problem.</div>		
HRS HIROSE ELECTRIC CO., LTD.		ETAD-C0198-00	<div>⚠️</div> <div>4 / 4</div>