

The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.  
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## How to Specify Plug Cable Assembly

Dimensions of U.FL Series assembly products should be made as indicated below.



### Ordering Information

**U.FL - □ LP - □ - A - (L)**

①                      ②                      ③                      ④

① Series name	U.FL
② Assembly type	LP: Single ended 2LP: Double ended
③ Cable type	04 : Dia.0.81mm Coaxial Cable 068 : Dia.1.13mm Coaxial Cable 066 : Dia.1.32mm Coaxial Cable 062 : Dia.1mm Coaxial Cable 088 : Dia.1.37mm Coaxial Cable
④ Total Length(mm)	Length is expressed in mm units.

### Total Standard Tolerance for Total Length of Cable Assembly

Total Length(mm)	Standard Tolerance (mm)
35 ≤L≤ 200	± 4
200 <L≤ 500	± 8
500 <L≤ 1000	±12
1000 < L	±1.5%

Note: Shortest length L is 35 mm.

Part No. of Plug	Part No. of Cable Assembly	Description
U.FL-LP-040	U.FL-2LP-04N1-A-(L)	Dia. 0.81mm double ended coaxial cable, color: white
	U.FL-2LP-04N2-A-(L)	Dia. 0.81mm double ended coaxial cable, color: black
	U.FL-LP-04N1-A-(L)	Dia. 0.81mm single ended coaxial cable, color: white
	U.FL-LP-04N2-A-(L)	Dia. 0.81mm single ended coaxial cable, color: black
U.FL-LP-068	U.FL-2LP-068N1-A-(L)	Dia. 1.13mm double ended coaxial cable, color: gray
	U.FL-2LP-068N2-A-(L)	Dia. 1.13mm double ended coaxial cable, color: black
	U.FL-LP-068N1-A-(L)	Dia. 1.13mm single ended coaxial cable, color: gray
	U.FL-LP-068N2-A-(L)	Dia. 1.13mm single ended coaxial cable, color: black
U.FL-LP-066	U.FL-2LP-066J1-A-(L)	Dia. 1.32mm double ended coaxial cable, color: gray
	U.FL-2LP-066J2-A-(L)	Dia. 1.32mm double ended coaxial cable, color: black
	U.FL-LP-066J1-A-(L)	Dia. 1.32mm single ended coaxial cable, color: gray
	U.FL-LP-066J2-A-(L)	Dia. 1.32mm single ended coaxial cable, color: black
U.FL-LP(V)-040	U.FL-2LP(V)-04N1-A-(L)	Dia. 0.81mm double ended coaxial cable, color: white
	U.FL-2LP(V)-04N2-A-(L)	Dia. 0.81mm double ended coaxial cable, color: black
	U.FL-LP(V)-04N1-A-(L)	Dia. 0.81mm single ended coaxial cable, color: white
	U.FL-LP(V)-04N2-A-(L)	Dia. 0.81mm single ended coaxial cable, color: black
U.FL-LP-062	U.FL-2LP-062N1D-A-(L)	Dia. 1mm double ended coaxial cable, color: gray
	U.FL-2LP-062N2D-A-(L)	Dia. 1mm double ended coaxial cable, color: black
	U.FL-LP-062N1D-A-(L)	Dia. 1mm single ended coaxial cable, color: gray
	U.FL-LP-062N2D-A-(L)	Dia. 1mm single ended coaxial cable, color: black
U.FL-LP-088	U.FL-2LP-088K1T-A-(L)	Dia. 1.37mm double ended coaxial cable, color: gray
	U.FL-2LP-088K2T-A-(L)	Dia. 1.37mm double ended coaxial cable, color: black
	U.FL-LP-088K1T-A-(L)	Dia. 1.37mm single ended coaxial cable, color: gray
	U.FL-LP-088K2T-A-(L)	Dia. 1.37mm single ended coaxial cable, color: black

Please contact Hirose Sales Representative for cable length and cable end treatment.

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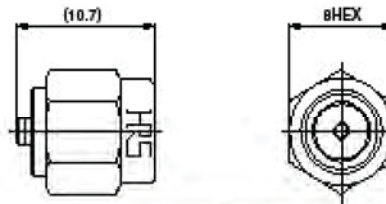
## ■ Conversion Adapters

### ● SMA Conversion Adapter

(Mating portion: U.FL side jack - SMA side plug)



Note: The U.FL side mating portions has a lower lock retention force than the regular product, therefore, cannot be used for purposes other than performance measurements.



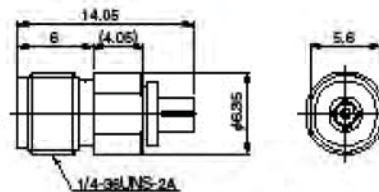
Part No.	CL No.
HRMP-U.FLJ	311-0300-2

### ● SMA Conversion Adapter

(Mating portion: U.FL side plug - SMA side jack)



Note: The U.FL side mating portions has a lower lock retention force than the regular product, therefore, cannot be used for purposes other than performance measurements.



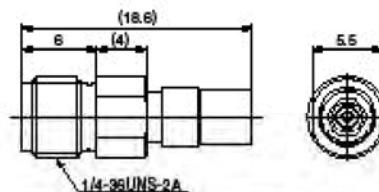
Part No.	CL No.
HRMJ-U.FLP	311-0301-5

### ● SMA Conversion Adapter

(Mating portion: U.FL side plug-SMA side jack)



Note: This connector is used by compressing the mated portion of U.FL side onto the U.FL-R-SMT portion.



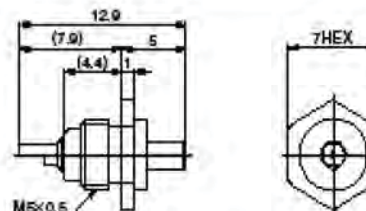
Part No.	CL No.
HRMJ-U.FLP-ST1	311-0385-5

## ■ Receptacle Inspection

This receptacle is used for inspecting the continuity, withstand voltage, and other aspects of the harness product.



This receptacle is used for check the continuity, withstanding voltage, and other performance of the cable assembly products.



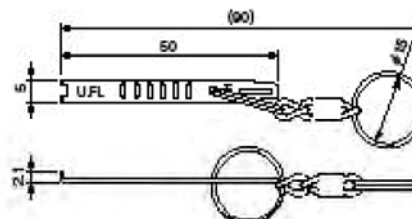
Part No.	CL No.
U.FL-R-1	331-0466-0

## ■ Plug Extraction Tool

This jig is used for extraction from a mating condition.



Note: Part No. U.FL-LP-N-2 for U.FL-LP-04/066/088.  
 Part No. U.FL-LP(V)-N-2 for U.FL-LP(V)-040/U.FL-LP-062.

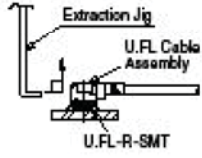
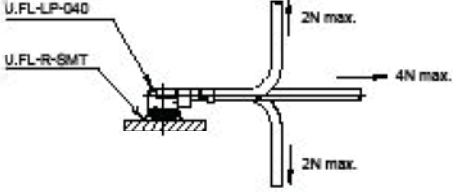


Part No.	CL No.
U.FL-LP-N-2	331-0494-5
U.FL-LP(V)-N-2	331-0493-2

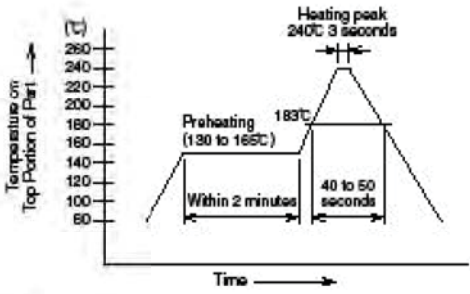
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## ■ Usage Precautions

### 1. Plugs

(1) Connection/disconnection of connectors	<p>1) To disconnect connectors, insert the end portion of U.FL-LP-N-2 and U.FL-LP(V)-N-2 under the connector flanges and pull off vertically, in the direction of the connector mating axis.</p> <p>2) To mate the connectors, the mating axes of both connectors must be aligned and the connectors can be mated. The "click" will confirm fully mated connection. Do not attempt to insert on an extreme angle.</p> 
(2) Permissible load on the cable after connector are mated.	<p>After the connectors are mating, do not apply a load to the cable in excess of the values indicated in the diagram below.</p> 
(3) Precautions	Do NOT forcefully twist or deform wires.

### 2. Receptacles

(1) Recommended soldering temperature profile	 <p>1) The temperature profile indicates the board surface temperature at the point of contacts with the connector terminals.</p> <p>2) The temperature profile will change depending on conditions which include such factors as the size of the board, the solder used, and the solder thickness.</p>
(2) Recommended manual soldering	Manual soldering: 350°C for 5 seconds
(3) Recommended screen thickness	0.1 to 0.15 mm

HRS 7

# Certificate Green Partner

SKD 7156

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一関ヒロセ電機株式会社

This is to certify that you have successfully established  
an environmental management system  
that has met the requirements of the Sony Green Partner Program

Form of Validity: 2005/8/1 ~ 2007/7/31

Issued on: 2005/07/31

Approved and Issued by: Procurement Global Head Office,  
Sony Corporation



Toshiyuki Kikuchi

Senior General Manager, Procurement Global, Sony Corporation

SONY



# Certificate Green Partner

Presented To:

SKD 6500

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Sony Corporation



Toshiyuki Kikuchi

Senior General Manager, Procurement Center, Sony Corporation

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