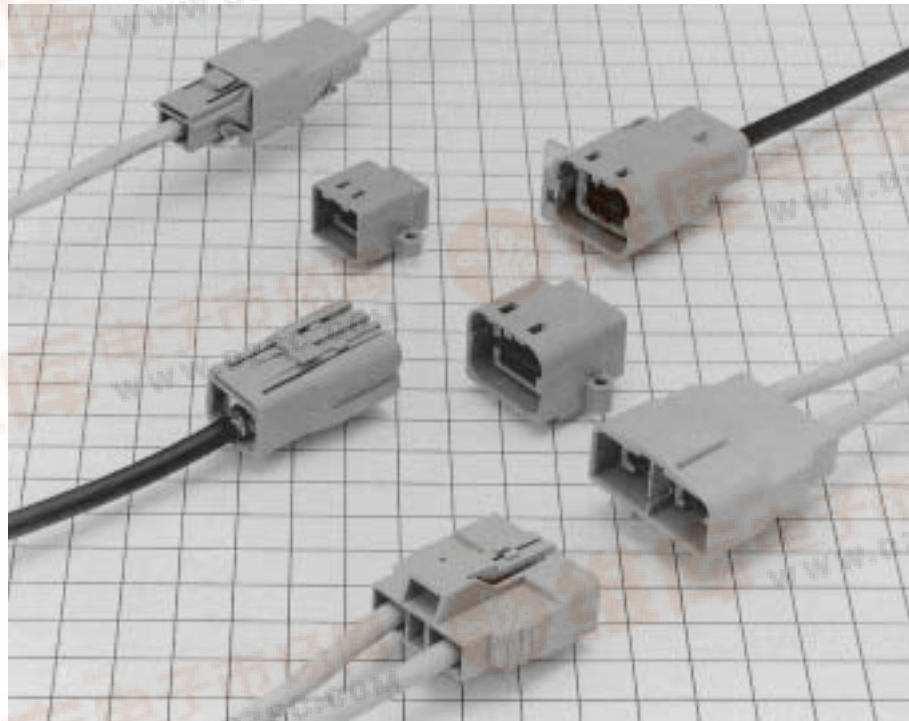


## Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

# GT11 Series

— Connectors for coaxial cables —



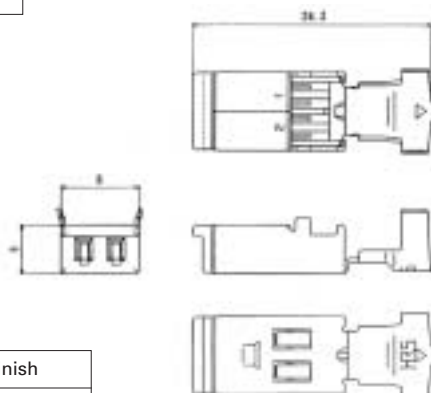
### Features

- **Cost efficient termination**  
Highly efficient and reliable single motion crimp termination allows high volume production with semi-automatic equipment.
- **Lock-release latching system**
- **Shock / vibration resistant electrical connections**
- **Verification of the full contact insertion**

## For Double-Conductor coaxial shielded cable

### F Connectors

#### ● Outer terminals

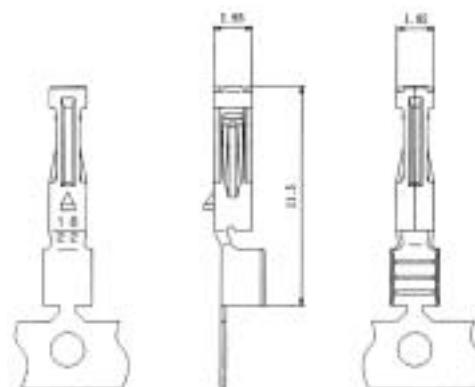


Part Number	CL No.	Applicable Cable
GT11-2S-5.2C	761-0002-3	4.5 to 5.2mm
GT11-2S-6.0C	761-0028-7	5.8 to 6.2mm

Item	Material	Finish
Outer terminal	Brass	Tin plating
Insulator	PT	Color: Dark gray

\* The suitable terminals might differ depending on the internal structure of the cable.

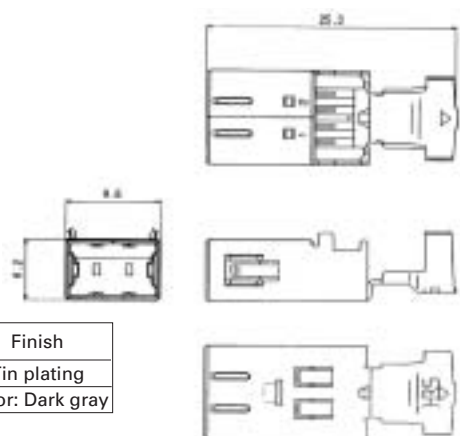
#### ● Inner Terminals



Part Number	CL No.	Conductor Size (AWG)	Material	Finish	Packaging
GT11-1822SCF	761-0004-9	#18 to 22	Brass	Tin plating	8,000 pcs. per reel
GT11-2428SCF	761-0020-5	#24 to 28			

### M Connectors

#### ● Outer terminals

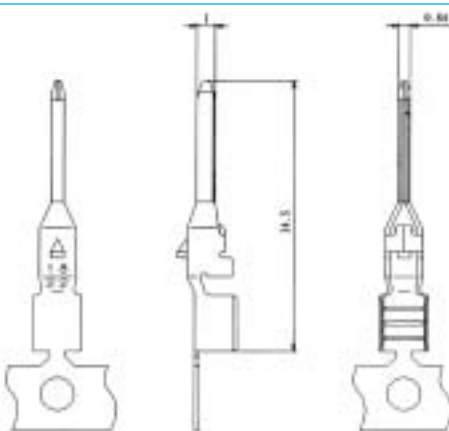


Part Number	CL No.	Applicable Cable
GT11-2P-5.2C	761-0001-0	4.5 to 5.2mm
GT11-2P-6.0C	761-0027-4	5.8 to 6.2mm

Item	Material	Finish
Outer terminal	Brass	Tin plating
Insulator	PT	Color: Dark gray

\* The suitable terminals might differ depending on the internal structure of the cable.

#### ● Inner Terminals

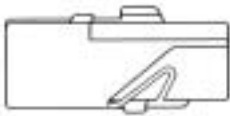
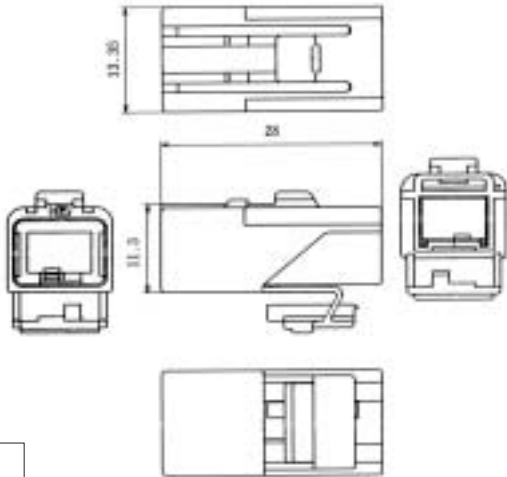


Part Number	CL No.	Conductor Size (AWG)	Material	Finish	Packaging
GT11-1822PCF	761-0003-6	#18 to 22	Brass	Tin plating	8,000 pcs. per reel
GT11-2428PCF	761-0019-6	#24 to 28			

# For Double-Conductor coaxial cable

## F Connectors

### Housing

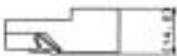
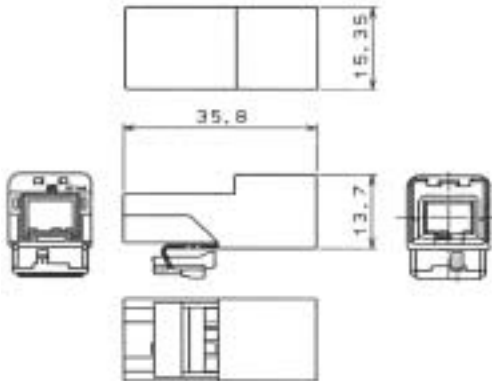


◆ Shown with inserted retainer

Part Number	CL No.	Material	Color
GT11-2S-HU	761-0005-1	PBT	Light gray

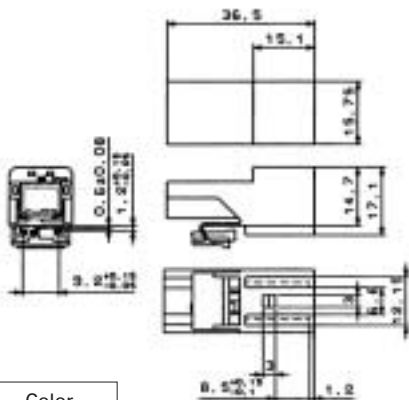
## M Connectors

### Housing



◆ Shown with inserted retainer

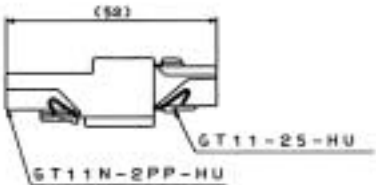
Part Number	CL No.	Material	Color
GT11-2P-HU	761-0006-4	PBT	Light gray



◆ Shown with inserted retainer



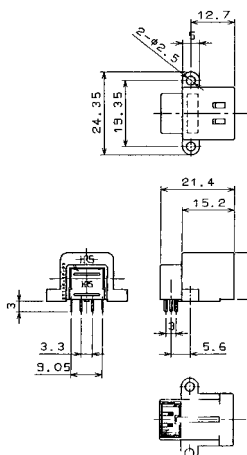
◆ Fully mated connector assemblies



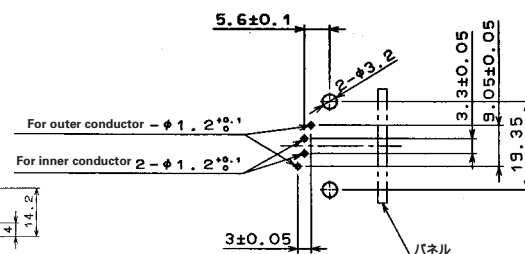
Part Number	CL No.	Material	Color
GT11N-2PP-HU	761-0008-0	PBT	Light gray

## M Connectors

### ● Housing

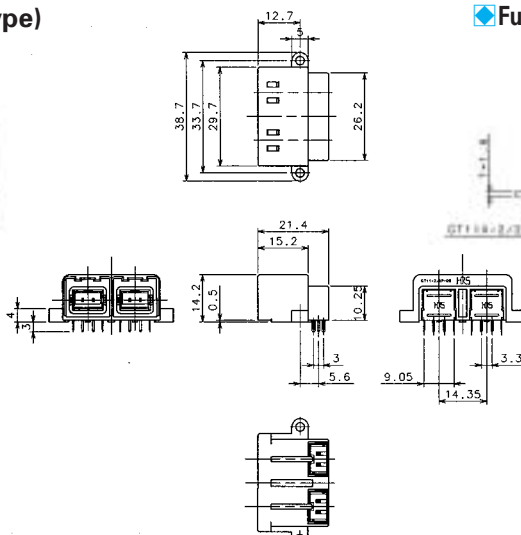


### ◆ Recommended Board Mounting Pattern

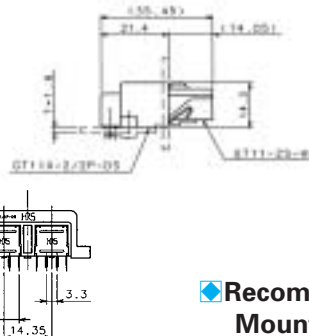


Part Number	CL No.	Material	Finish	Color
GT11-2S-HU	761-0005-1	PBT	—	Light gray
		Brass	Tin plating	—
		PBT	—	Dark gray
		Phosphor bronze	Tin plating	—

### ● Housing (2-position Type)



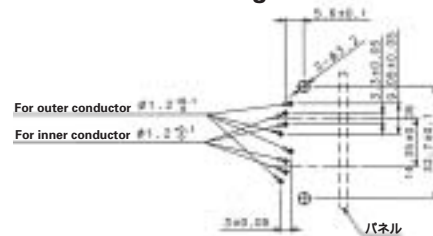
### ◆ Fully mated connector assemblies



### ◆ Recommended Panel Cut-out

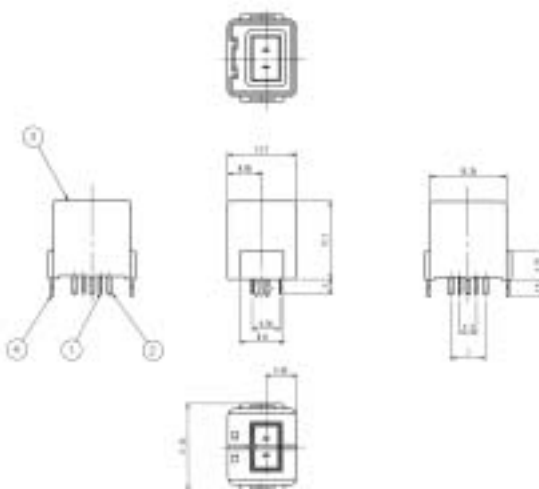


### ◆ Recommended Board Mounting Pattern

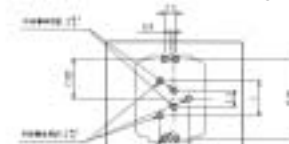


Part Number	CL No.	Material	Finish	Color
GT11X-2/2P-DS	761-0022-0	PBT	—	Light gray
		Brass	Tin plating	—
		PBT	—	Dark gray
		Phosphor bronze	Tin plating	—

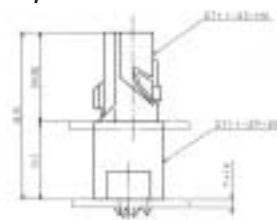
### ● Housing (Straight Type)



### ◆ Recommended Board Mounting Pattern



### ◆ Fully mated connector assemblies

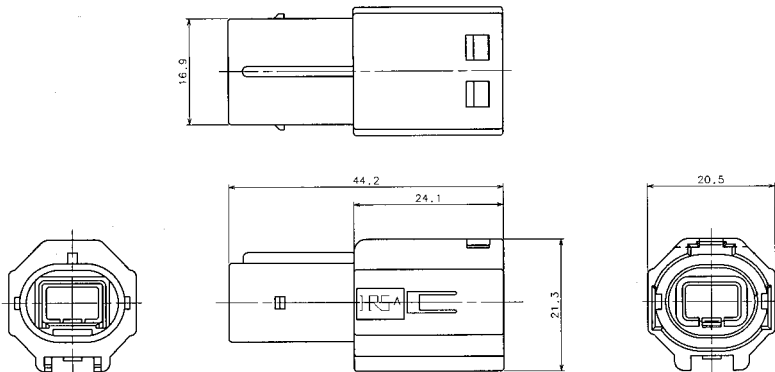


Part Number	CL No.
GT11-2P-DSA	761-0038-0

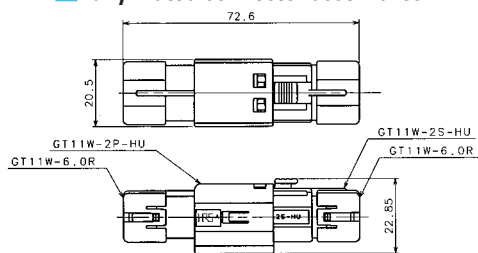
## Waterproof type For Double-Conductor coaxial cable

### F Connectors

#### ● Housing



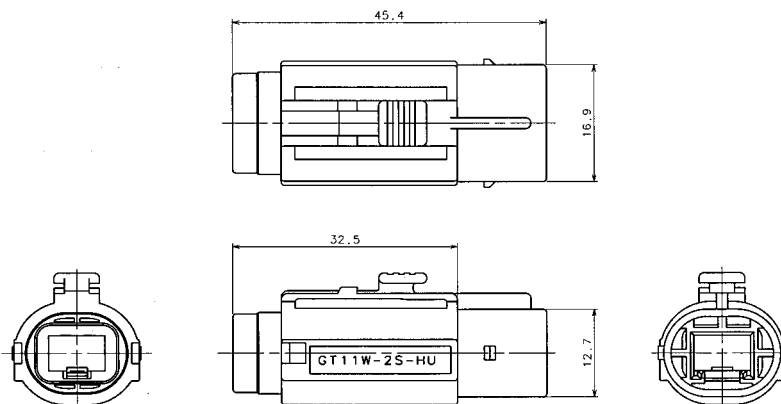
#### ◆ Fully mated connector assemblies



Part Number	CL No.	Material
GT11W-2P-HU	761-0023-3	PBT

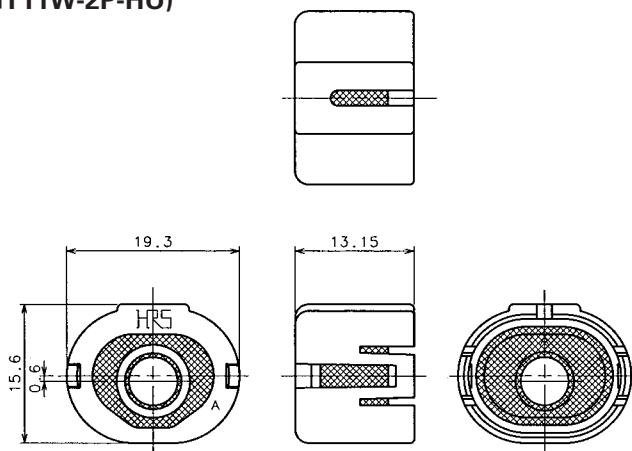
### M Connectors

#### ● Housing



Part Number	CL No.	Material
GT11W-2S-HU	761-0024-6	PBT

#### ● Retainer (used with GT11W-2S-HU and GT11W-2P-HU)

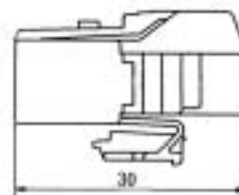
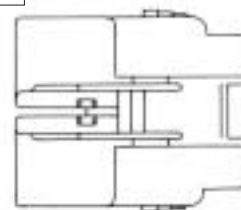
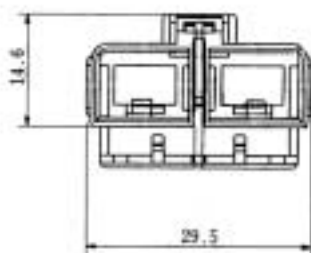


Part Number	CL No.	Applicable Cable
GT11W-6.0R	761-0025-9	PBT Silicon rubber compound

## Waterproof type For Double-Conductor coaxial cable

### F Connectors

#### ● Housing



◆ Shown with inserted retainer

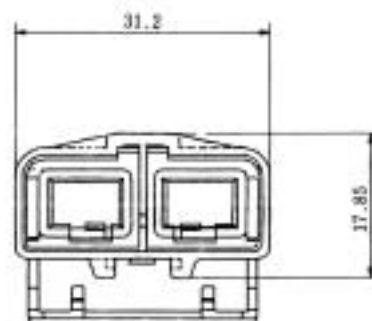
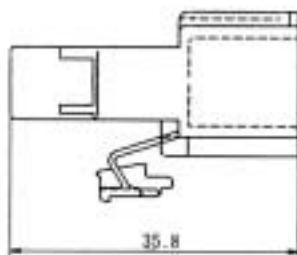
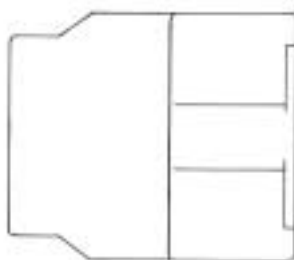


Part Number	CL No.	Material	Color
GT11K-2/2S-HU	761-0039-3	PBT	Light gray

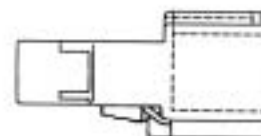
\* Mates only with GT11KN-2/2PP-HU.

### M Connectors

#### ● Housing



◆ Shown with inserted retainer



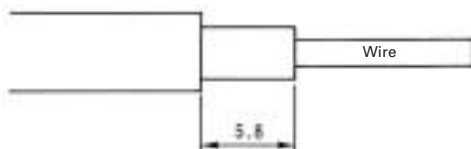
Part Number	CL No.	Material	Color
GT11KN-2/2PP-HU	761-0040-2	PBT	Light gray

## ◆ Termination sequence

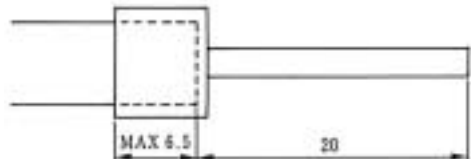
### ① Strip the cable.



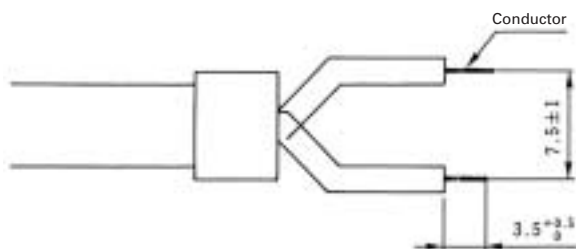
### ② Cut the shield and expose the wire.



### ③ Cut back the shield above the sheath and wrap with conductive tape.

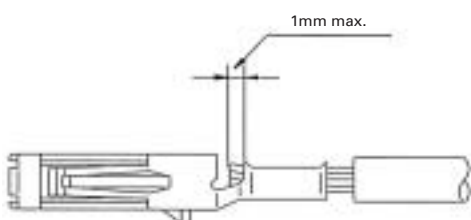


### ④ Strip the wire and form it.



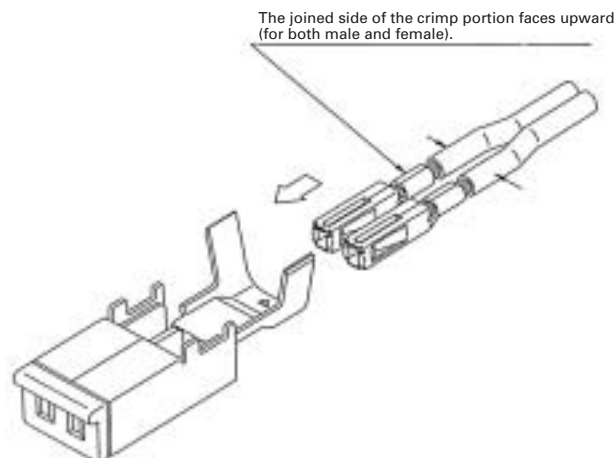
Jig used: Cable-forming strip jig  
(Refer to Page 85 for detail.)

### ⑤ Crimp the wire to the internal terminal.

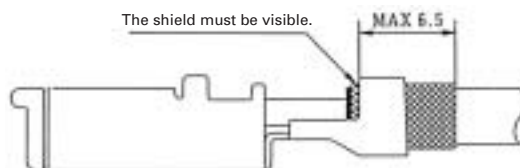


Jig used: Automatic crimping machine.  
(Refer to Page 85 for detail.)

### ⑥ Insert the internal terminals into the Outer terminals.

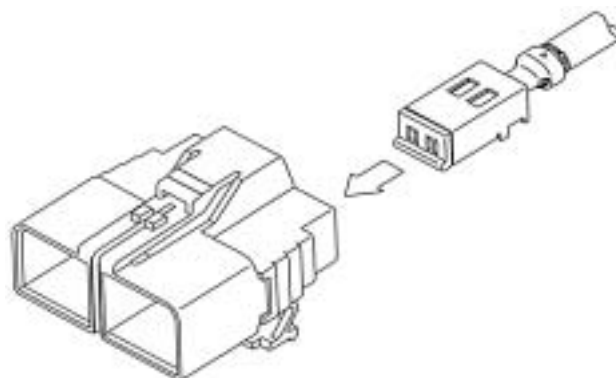


### ⑦ Crimp the Outer terminal.

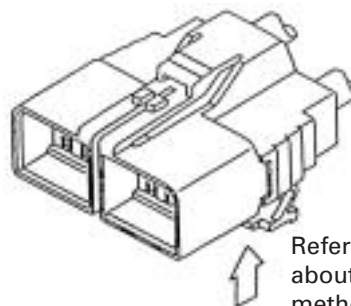


Jig used: Outside tube caulking jig.  
(Refer to Page 91 for detail.)

### ⑧ Insert the terminal into the housing. (Please insert until the terminal is stopped by the lance.)



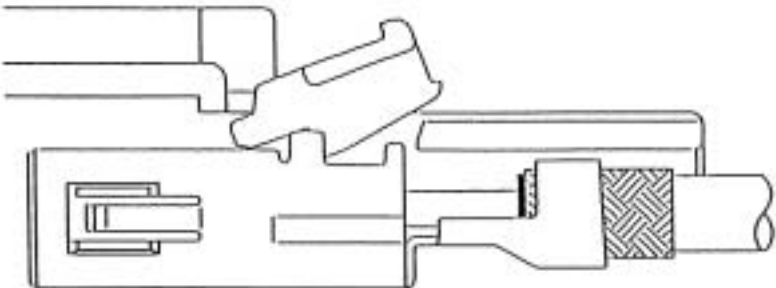
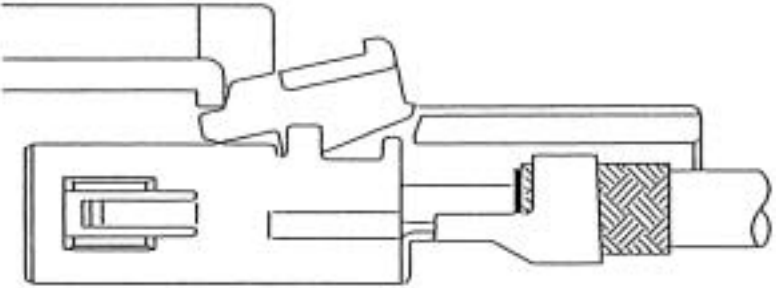
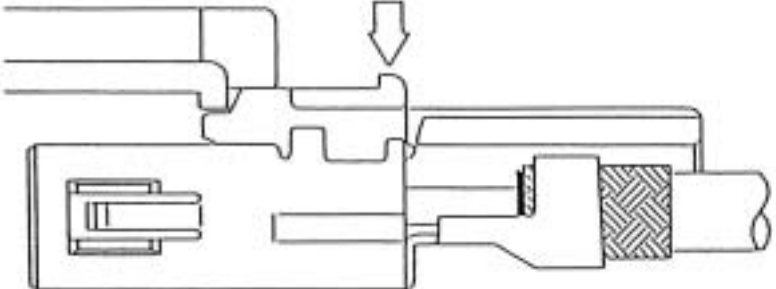
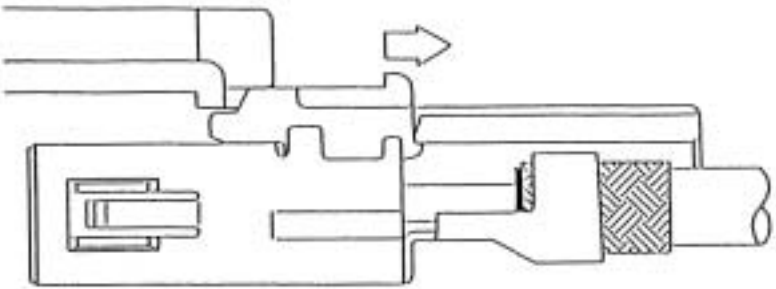
### ⑨ Mount the retainer to complete the task.



Refer to Page 84 for information  
about the retainer mounting  
method.



## ◆ Retainer Mounting Method

<p><b>a. Insert so that the terminal locking tab is inserted between the top surface of the terminal and the housing.</b></p>	
<p><b>b. Push in while changing the angle of the retainer until the front surface comes to a stop.</b></p>	
<p><b>c. Press the rear portion of the retainer and snap it into the locked position.</b></p>	
<p><b>d. If locking is not complete, press the rear portion of the retainer again while pulling it backward.</b></p>	

\* Check that all locations are locked.

\* Check that the bands are housed in all of the receiving areas.



## ◆ Termination Tools

User's manuals are available. Please ask your Hirose Electric account representative.

### ● Cable-Forming Strip Jig (for 2-conductor cable)

Main Unit

Accessory (Electrical Box)



Part Number CT11-ST/AD



#### Specifications

	Capacity	Remarks
Mounting Dimensions	Approximately 400 W x 500 D x 300 H	Approximately 300 W x 250 D x 200 H
Weight	Approximately 40 kg	Approximately 5 kg
Power supply	AC100V (50/60Hz)	
Air pressure	5-6Kgf/cm	
Task time	Approximately 14 seconds	

### ● Automatic Crimping Machine (for 2-conductor and 8-conductor cable)



Part Number CM-105

#### Specifications

Item	Specification	Remarks
Capacity	1.5tons	
Stroke	30mm	
Number of strokes	200spm (50Hz)	200spm (60Hz)
Weight	75kg	
Motor	0.2kW	AC100V
Crimping speed	2000 to 4000 pcs. per day	

### ● Cable-Forming Strip Jig (for 2-conductor cable)

Main Unit

Accessory (Electrical Box)



Part Number CT11-CT/AD



#### Specifications

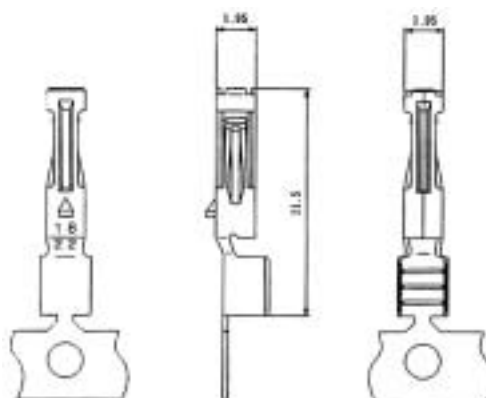
	Specification	Remarks
Mounting Dimensions	Approximately 300 W x 400 D x 300 H	Approximately 300 W x 250 D x 200 H
Weight	Approximately 25 kg	Approximately 5 kg
Power supply	AC100V (50/60Hz)	
Air pressure	5-6Kgf/cm	

\* Crimp height setting tables are available for each cable type. Please contact your nearest Hirose Electric account representative.  
Different cables will require different crimp height settings.

## For 8-Conductor coaxial shielded cable

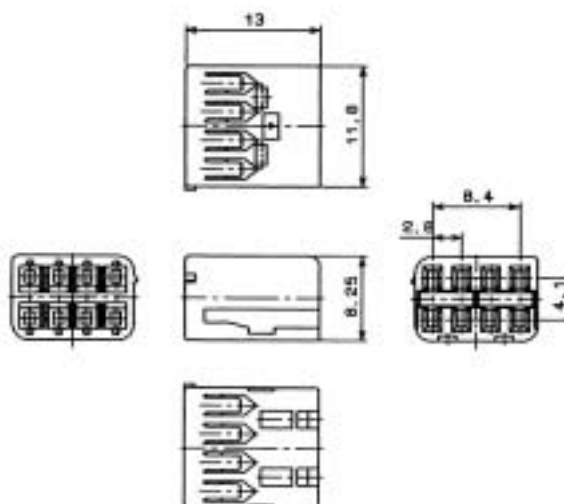
### F Connectors

#### ● Inner Terminal



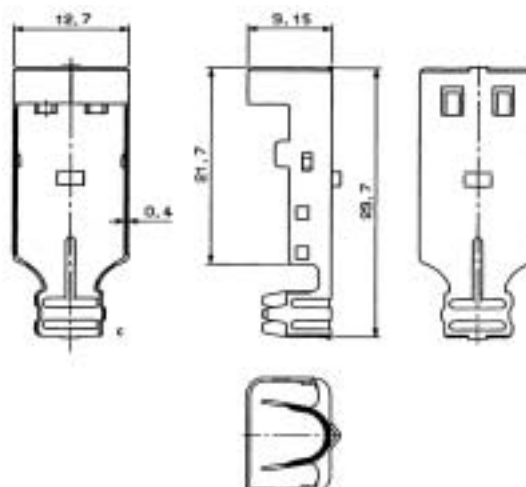
Part Number	CL No.	Conductor Size (AWG)	Material	Finish
GT11-1822SCF	761-0004-9	#24 to 28	Phosphor bronze	Tin plating
GT11-2428SCF	761-0020-5	#24 to 28	Phosphor bronze	Tin plating

#### ● Insulator



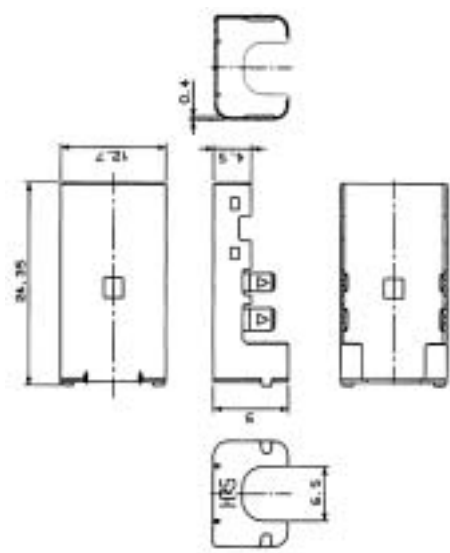
Part Number	CL No.	Material
GT11-8DS-2.8C	761-0014-2	PBT

#### ● Outer terminals



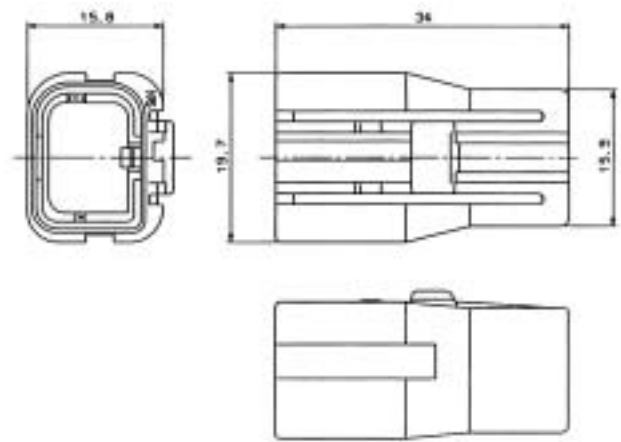
Part Number	CL No.	Material	Finish
GT11-8DS-5C	761-0015-5	Brass	Phosphor bronze

● Shield Plate



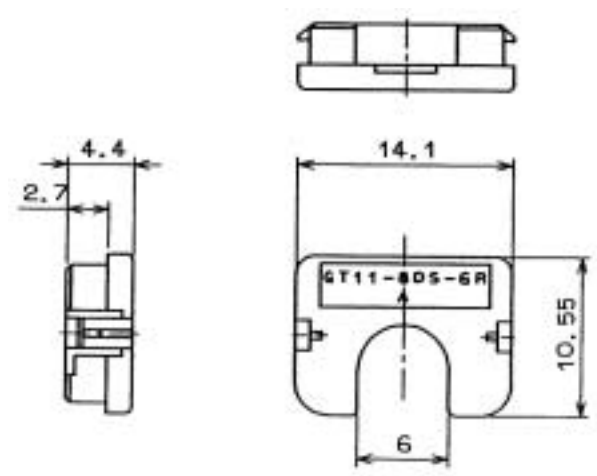
Part Number	CL No.	Material	Finish
GT11-8DS-SB	761-0016-8	Brass	Tin plating

● Housing



Part Number	CL No.	Material
GT11-8DS-HU	761-0017-0	PBT

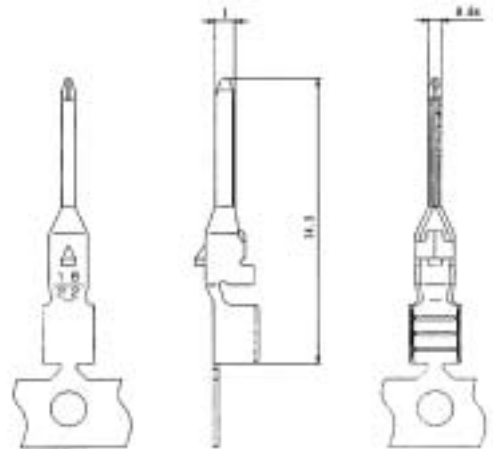
● Retainer (used with GT11-8DS-HU)



Part Number	CL No.	Material
GT11-8DS-6R	761-0018-3	PBT

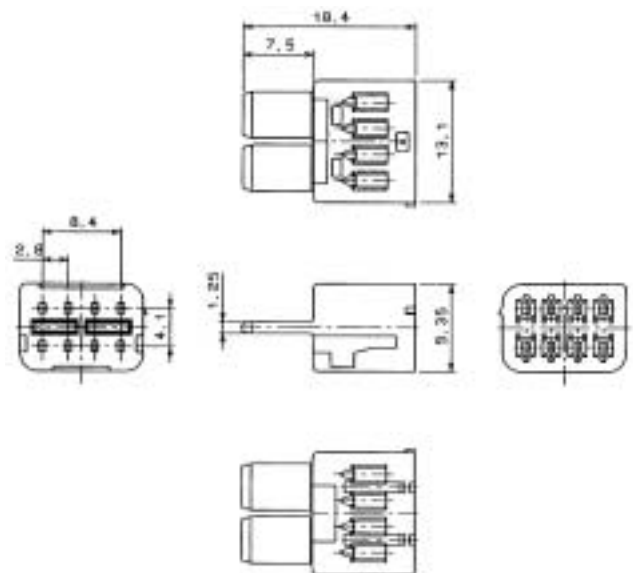
## M Connectors

### ● Inner Terminals



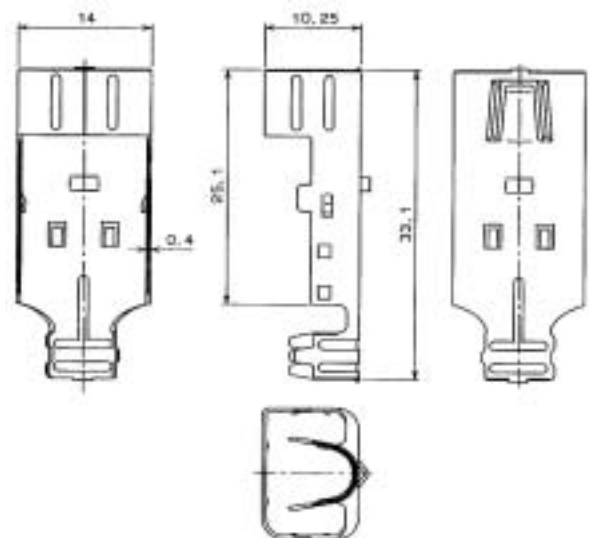
Part Number	CL No.	Conductor Size (AWG)	Material	Finish
GT11-1822PCF	761-0003-6	#18 to 22	Phosphor bronze	Tin plating
GT11-2428PCF	761-0019-6	#24 to 28	Phosphor bronze	Tin plating

### ● Insulator



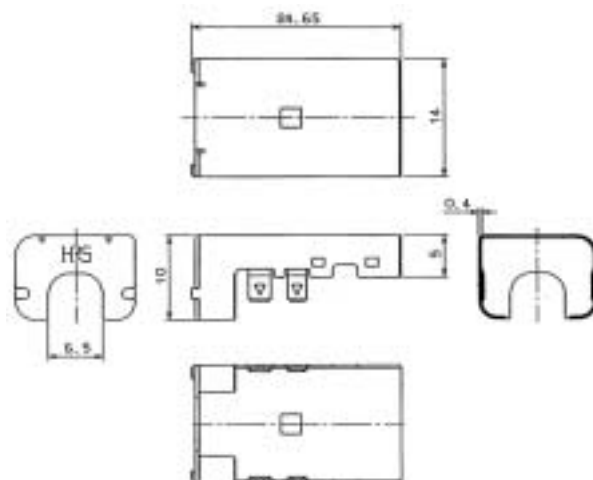
Part Number	CL No.	Material
GT11-8DP-2.8C	761-0009-2	PBT

### ● Outer terminals



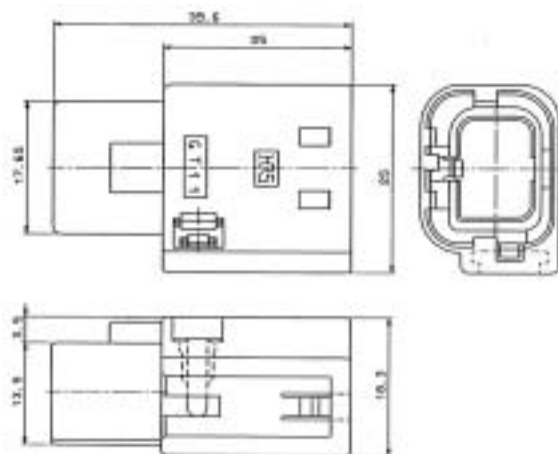
Part Number	CL No.	Material	Finish
GT11-8DP-5C	761-0010-1	Brass	Phosphor bronze

## ● Shield Plate



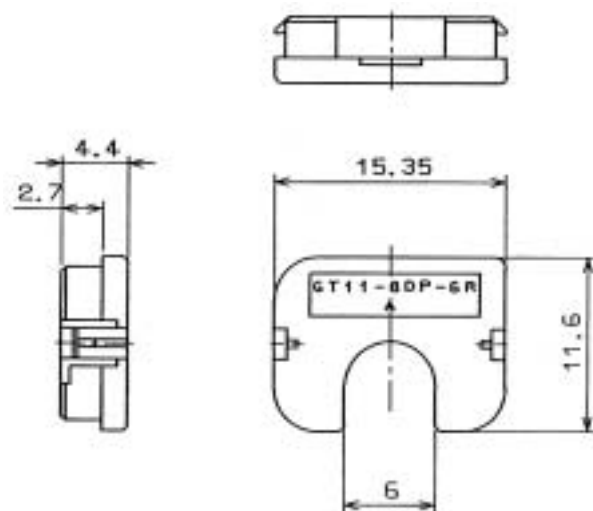
Part Number	CL No.	Material	Finish
GT11-8DP-SB	761-0011-4	Brass	Phosphor bronze

## ● Housing



Part Number	CL No.	Material
GT11-8DP-HU	761-0012-7	PBT

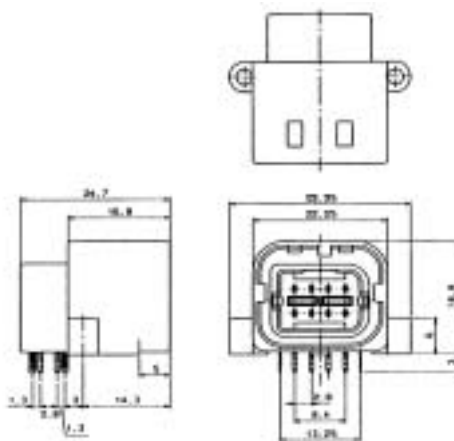
## ● Retainer (Used with GT11-8DS-HU)



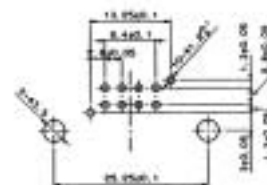
Part Number	CL No.	Material
GT11-8DP-6R	761-0013-0	PBT

\* Reserved for product expansion

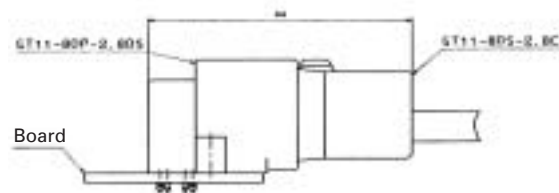
### ● Printed Circuit Board Type



### Recommended Board Mounting Pattern

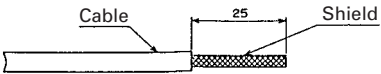
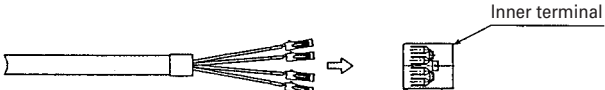
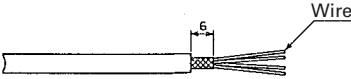
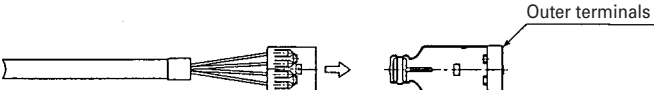
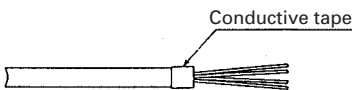
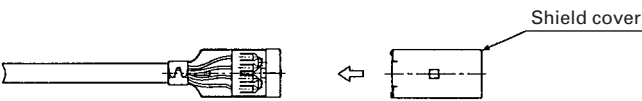
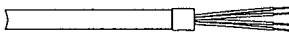
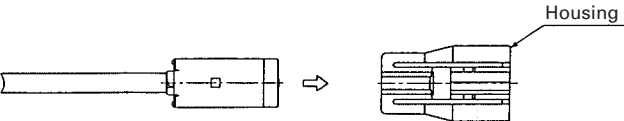
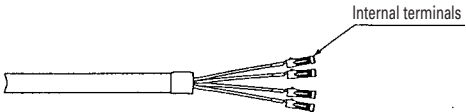
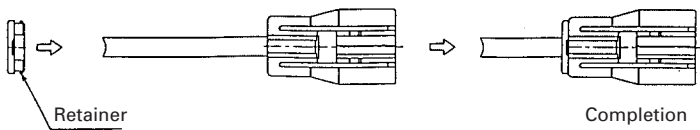


### Fully mated connector assemblies



Part Number	CL No.	Item	Material	Finish
GT11-8DP-2.8DS	761-0021-8	Housing	PBT	
		Outer Terminal	Phosphor bronze	Tin plating
		Insulator	PBT	
		Terminal	Brass	Tin plating

## ◆ Termination sequence

<p>① Strip the Cable.</p> 	<p>⑥ Insert the inner terminals into the insulated case.</p> 
<p>② Cut the shield and expose the wire.</p> 	<p>⑦ Insert what was made in Step ⑥ into the Outer terminals.</p> 
<p>③ Cut back the shield above the sheath and wrap with conductive tape.</p> 	<p>⑧ Insert the caulking shield cover onto the Outer terminals.</p> 
<p>④ Strip the wire.</p> 	<p>⑨ Insert what was made in Step ⑧ into the housing.</p> 
<p>⑤ Crimp the internal terminals.</p> 	<p>⑩ Insert the retainer.</p> 



## ◆ Termination Tools

User's manuals are available. Please ask your Hirose Electric account representative.

### ● Cable-Forming Strip Jig (for 2-conductor cable)

Main Unit    Accessory (Electrical Box)



Part Number CT11-ST/AD

#### Specifications

	Capacity	Remarks
Mounting Dimensions	Approximately 400 W x 500 D x 300 H	Approximately 300 W x 250 D x 200 H
Weight	Approximately 40 kg	Approximately 5 kg
Power supply	AC100V (50/60Hz)	
Air pressure	5-6Kgf/cm	
Task time	Approximately 14 seconds	

### ● Automatic Crimping Machine (for 2-conductor and 8-conductor cable)



Part Number CM-105

#### Specifications

Item	Specification	Remarks
Capacity	1.5Ton	
Stroke	30mm	
Number of strokes	200spm (50Hz)	240spm (60Hz)
Weight	75kg	
Motor	0.2kW	AC100V
Crimping speed	2000 to 4000 pcs. per day	

### ● Cable-Forming Strip Jig (for 2-conductor cable)

Main Unit    Accessory (Electrical Box)    Specifications



Part Number CT11-CT/AD

	Specification	Remarks
Mounting Dimensions	Approximately 300 W x 400 D x 300 H	Approximately 300 W x 250 D x 200 H
Weight	Approximately 25 kg	Approximately 5 kg
Power supply	AC100V (50/60Hz)	
Air pressure	5-6Kgf/cm	

\* Crimp height setting tables are available for each cable type. Please contact your nearest Hirose Electric account representative.  
Different cables will require different crimp height settings.

### ● Outer terminal Caulking Jig (for 8-conductor cable)

Hand Press



Part Number GT11-8S/P-HP