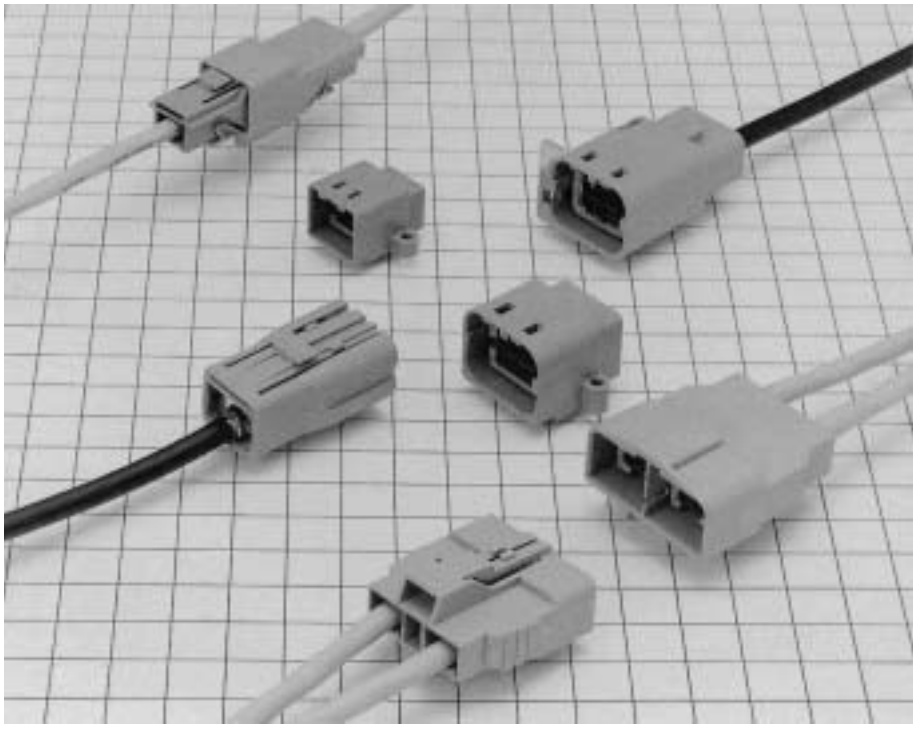
GT11 Series

— Connectors for coaxial cables —



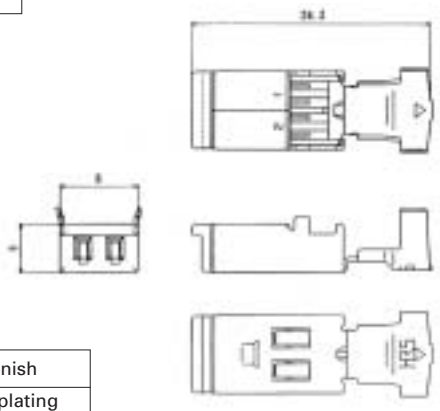
Features

- **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

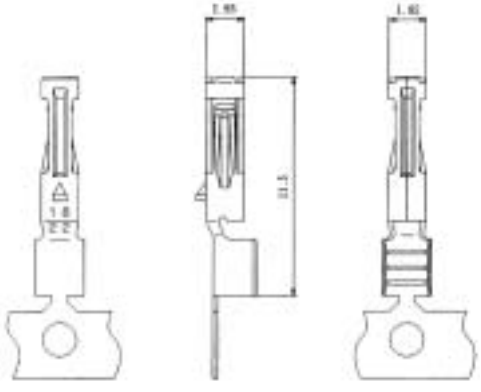


Part Number	CL No.	Applicable Cable
GT11-2S-5.2C	761-0002-3	4.5 to 5.2mm
GT11-2S-6.0C	761-0028-7	5.8 to 6.2mm

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.

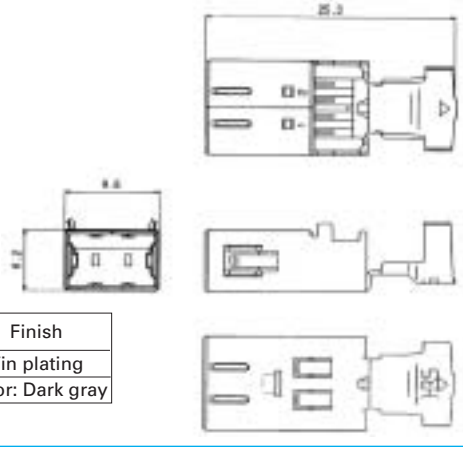
● Inner Terminals



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

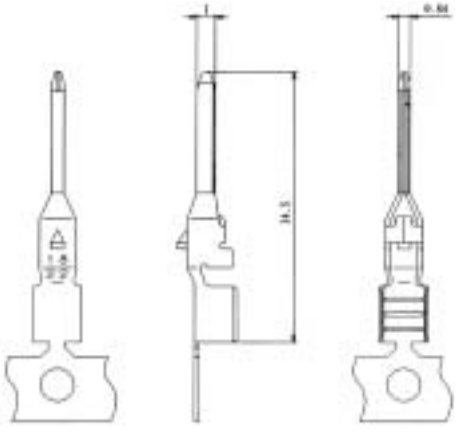


Part Number	CL No.	Applicable Cable
GT11-2P-5.2C	761-0001-0	4.5 to 5.2mm
GT11-2P-6.0C	761-0027-4	5.8 to 6.2mm

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

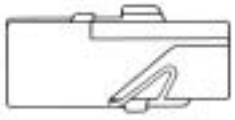


Part Number	CL No.	Conductor Size (AWG)	Material	Finish	Packaging
GT11-1822PCF	761-0003-6	#18 to 22	Brass	Tin plating	8,000 pcs. per reel
GT11-2428PCF	761-0019-6	#24 to 28			

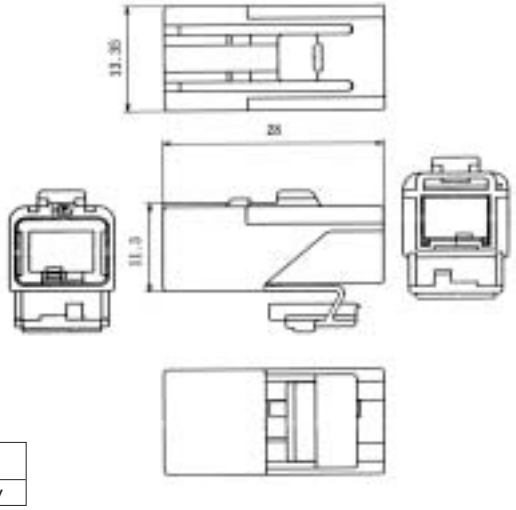
For Double-Conductor coaxial cable

F Connectors

◆Shown with inserted retainer



● Housing

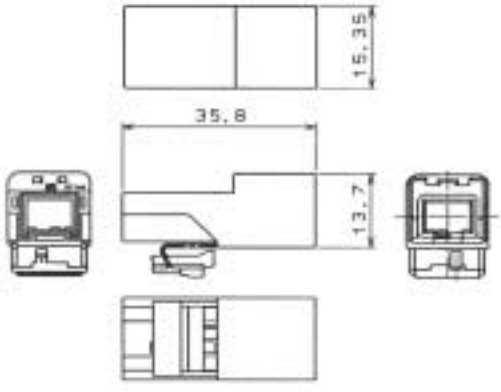


Part Number	CL No.	Material	Color
GT11-2S-HU	761-0005-1	PBT	Light gray

M Connectors

● Housing

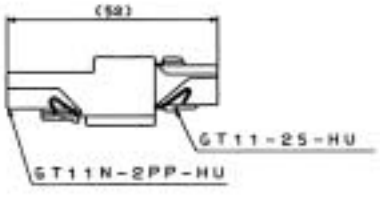
◆Shown with inserted retainer

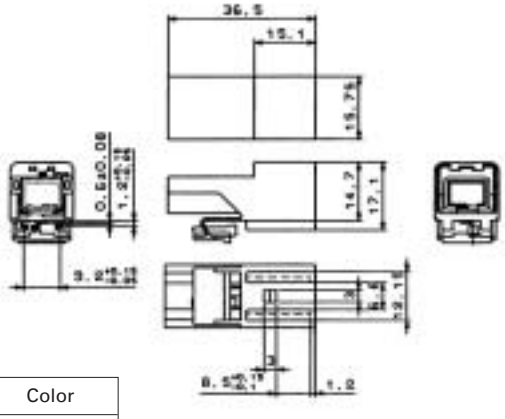


Part Number	CL No.	Material	Color
GT11-2P-HU	761-0006-4	PBT	Light gray

◆Shown with inserted retainer

◆Fully mated connector assemblies

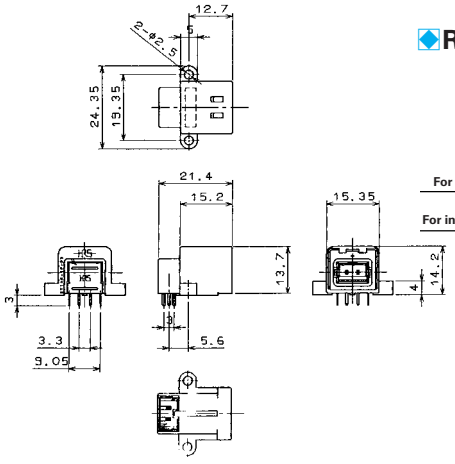




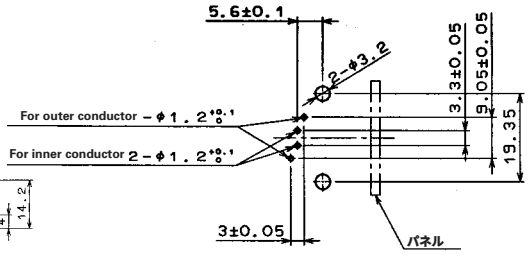
Part Number	CL No.	Material	Color
GT11N-2PP-HU	761-0008-0	PBT	Light gray

M Connectors

● Housing

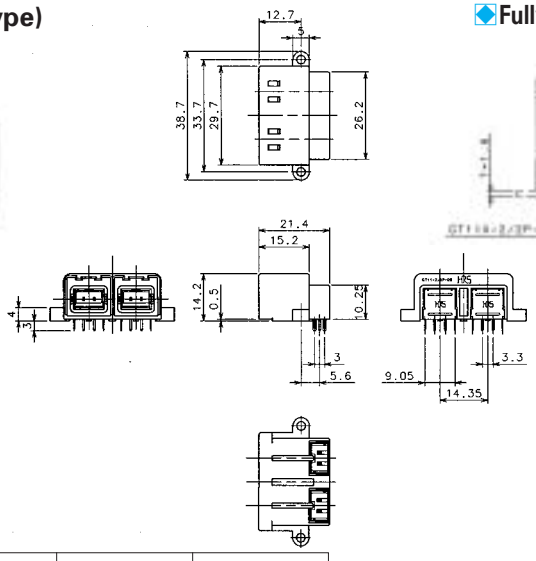


◆Recommended Board Mounting Pattern

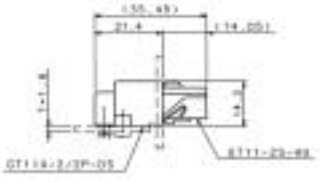


Part Number	CL No.	Material	Finish	Color
GT11-2S-HU	761-0005-1	PBT	—	Light gray
		Brass	Tin plating	—
		PBT	—	Dark gray
		Phosphor bronze	Tin plating	—

● Housing (2-position Type)

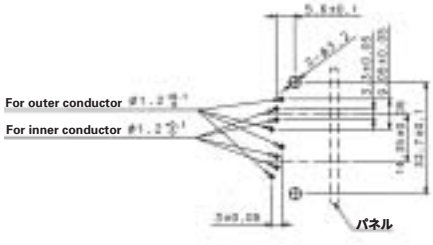


◆Fully mated connector assemblies



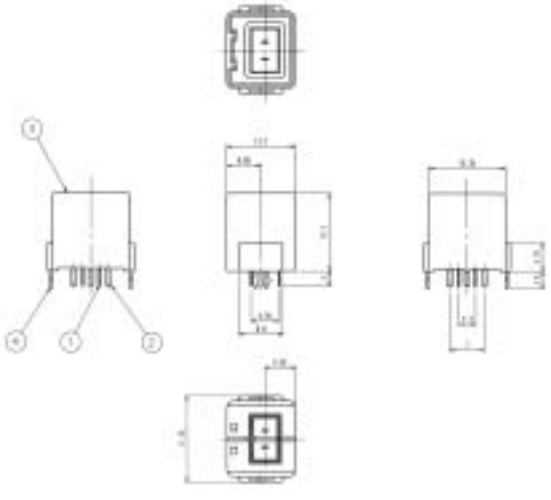
◆Recommended Panel Cut-out

◆Recommended Board Mounting Pattern

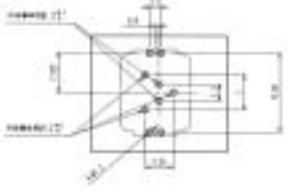


Part Number	CL No.	Material	Finish	Color
GT11X-2/2P-DS	761-0022-0	PBT	—	Light gray
		Brass	Tin plating	—
		PBT	—	Dark gray
		Phosphor bronze	Tin plating	—

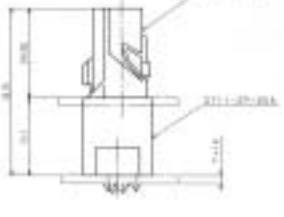
● Housing (Straight Type)



◆Recommended Board Mounting Pattern



◆Fully mated connector assemblies

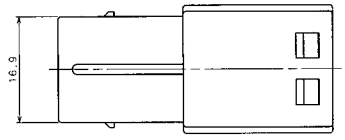


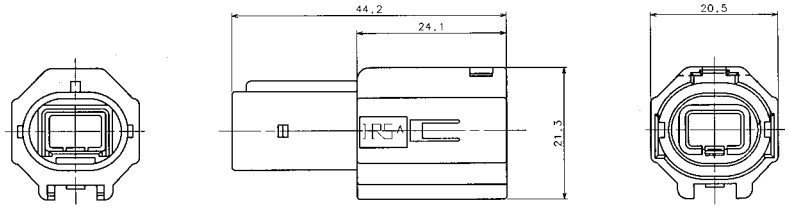
Part Number	CL No.
GT11-2P-DSA	761-0038-0

Waterproof type For Double-Conductor coaxial cable

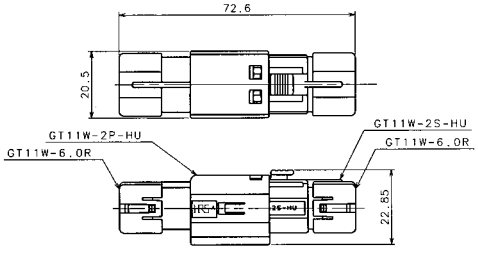
F Connectors

● Housing





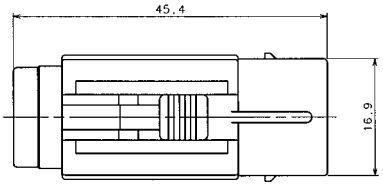
◆Fully mated connector assemblies

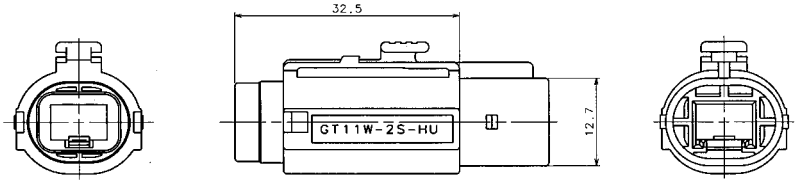


Part Number	CL No.	Material
GT11W-2P-HU	761-0023-3	PBT

M Connectors

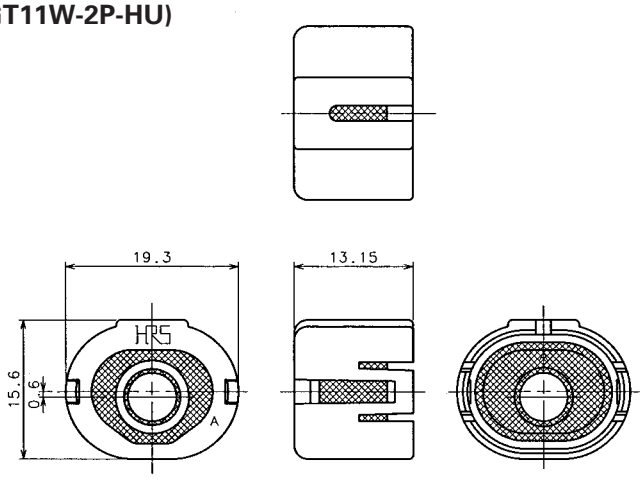
● Housing





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

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

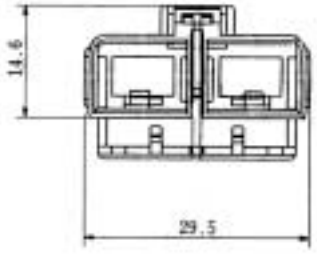


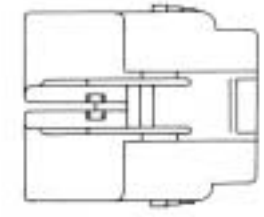
Part Number	CL No.	Applicable Cable
GT11W-6.0R	761-0025-9	PBT Silicon rubber compound

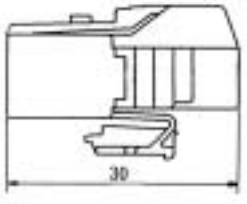
Waterproof type For Double-Conductor coaxial cable

F Connectors

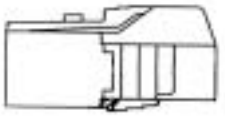
● Housing







◆Shown with inserted retainer

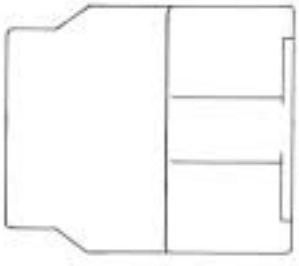


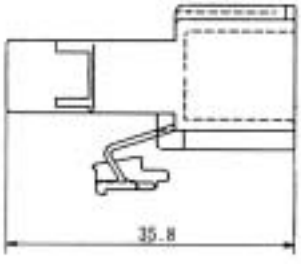
Part Number	CL No.	Material	Color
GT11K-2/2S-HU	761-0039-3	PBT	Light gray

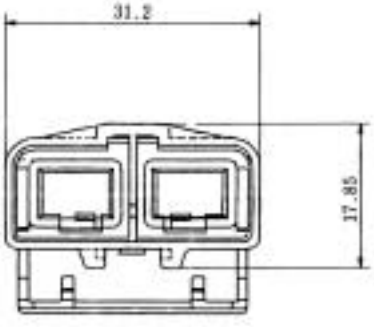
* Mates only with GT11KN-2/2PP-HU.

M Connectors

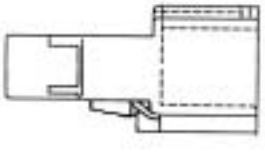
● Housing







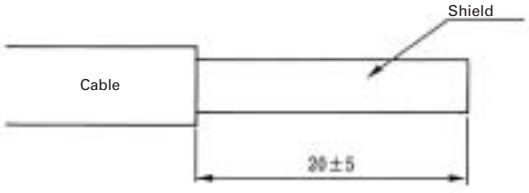
◆Shown with inserted retainer



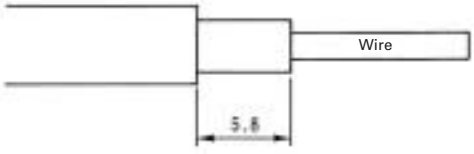
Part Number	CL No.	Material	Color
GT11KN-2/2PP-HU	761-0040-2	PBT	Light gray

Termination sequence

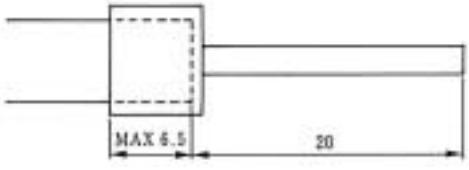
①**Strip the cable.**



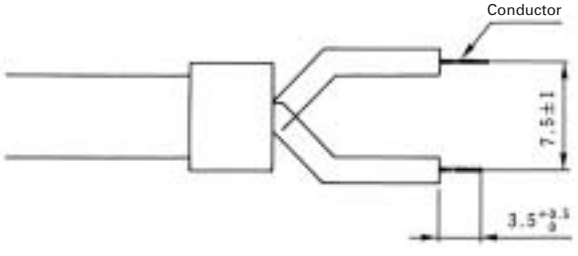
②**Cut the shield and expose the wire.**



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

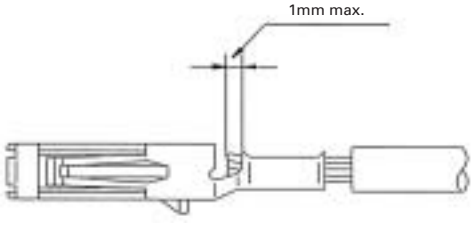


④**Strip the wire and form it.**



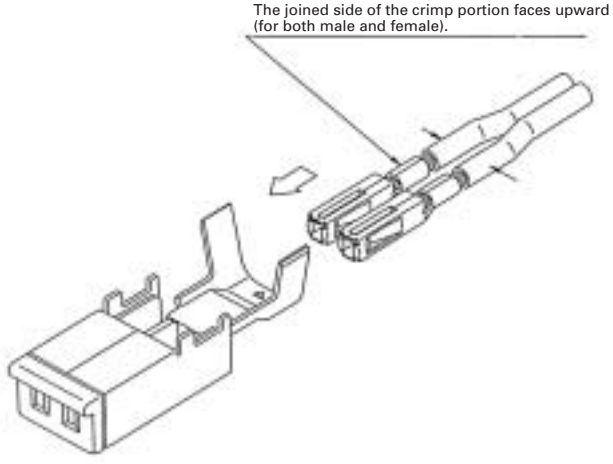
Jig used: Cable-forming strip jig
(Refer to Page 85 for detail.)

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

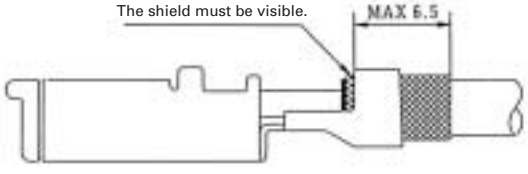


Jig used: Automatic crimping machine.
(Refer to Page 85 for detail.)

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

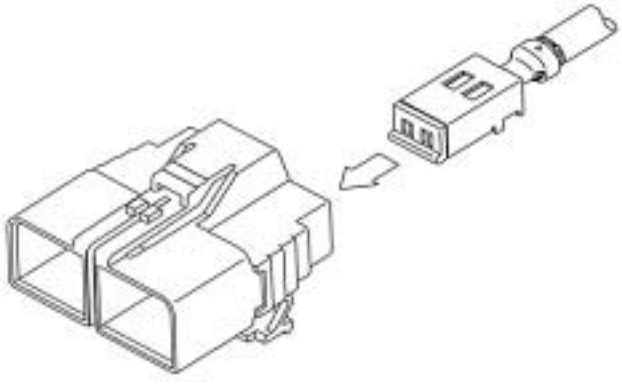


⑦**Crimp the Outer terminal.**

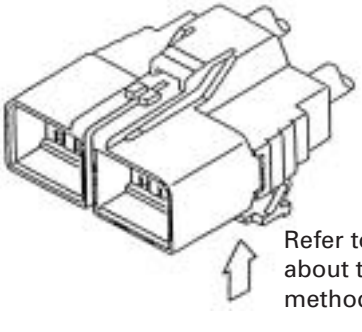


Jig used: Outside tube caulking jig.
(Refer to Page 91 for detail.)

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

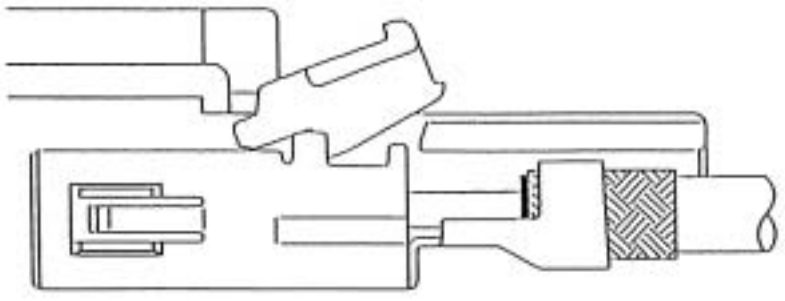
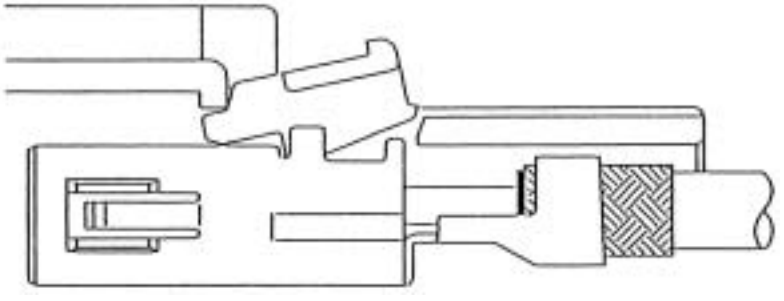
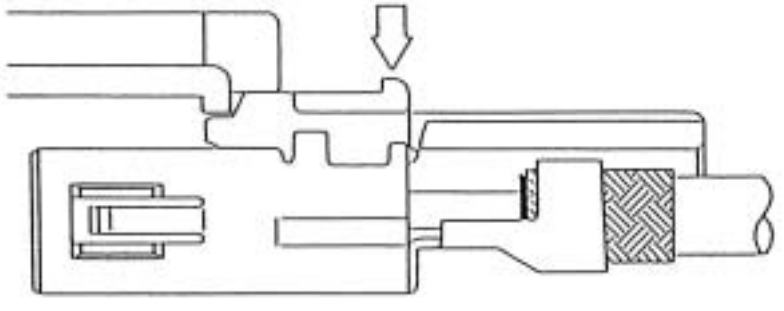
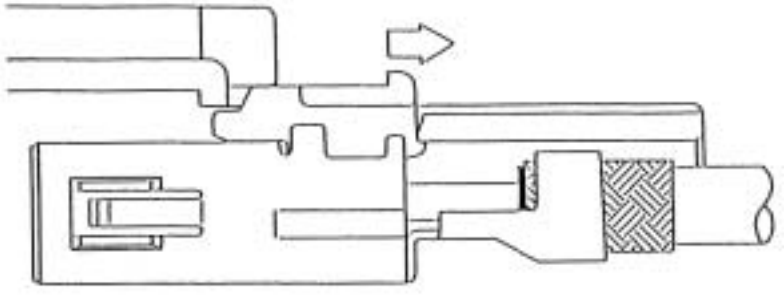


⑨**Mount the retainer to complete the task.**



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

Retainer Mounting Method

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

* 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

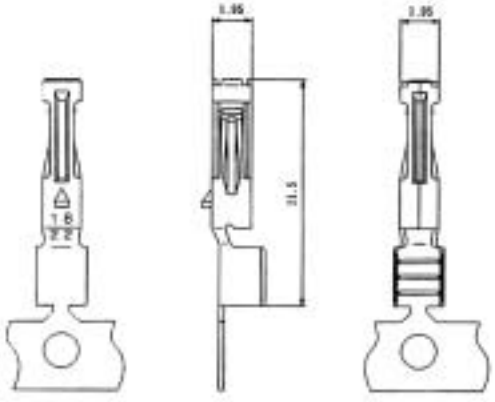
	Specification	Remarks
Mounting Dimensions	Approximately 300 W x 400 D x 300 H	Approximately 300 W x 250 D x 200 H
Weight	Approximately 25 kg	Approximately 5 kg
Power supply	AC100V (50/60Hz)	
Air pressure	5-6Kgf/cm	

* 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

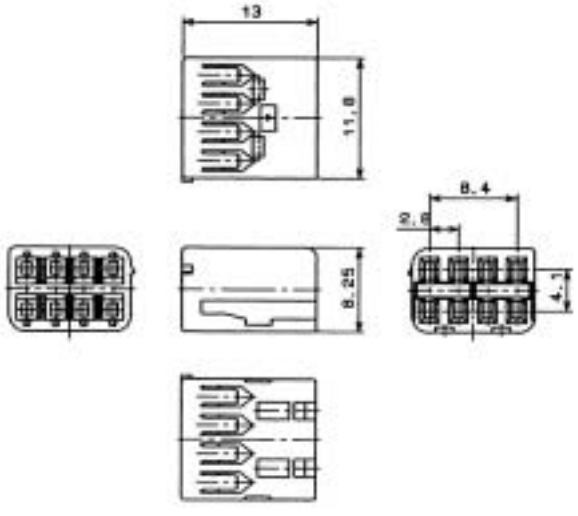
F Connectors

● Inner Terminal



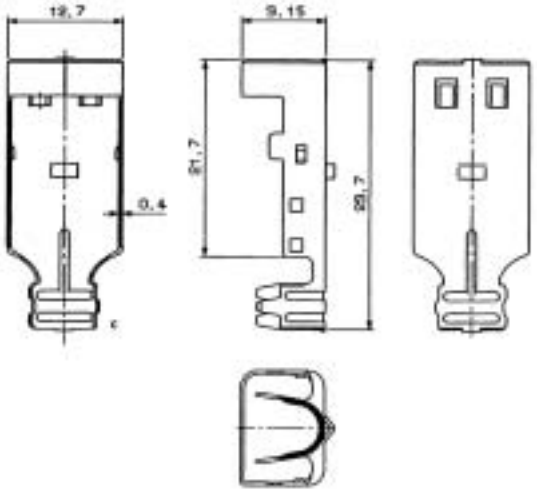
Part Number	CL No.	Conductor Size (AWG)	Material	Finish
GT11-1822SCF	761-0004-9	#24 to 28	Phosphor bronze	Tin plating
GT11-2428SCF	761-0020-5	#24 to 28	Phosphor bronze	Tin plating

● Insulator



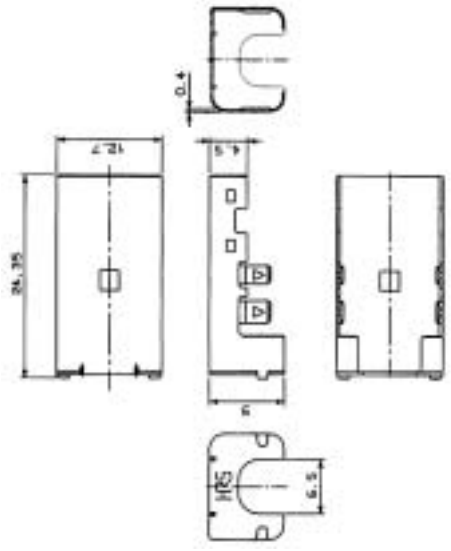
Part Number	CL No.	Material
GT11-8DS-2.8C	761-0014-2	PBT

● Outer terminals



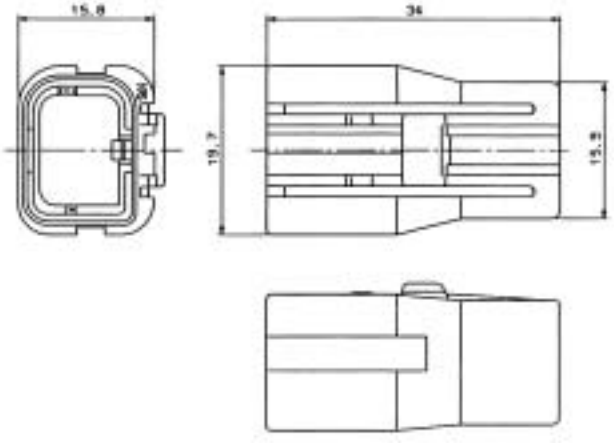
Part Number	CL No.	Material	Finish
GT11-8DS-5C	761-0015-5	Brass	Phosphor bronze

● Shield Plate



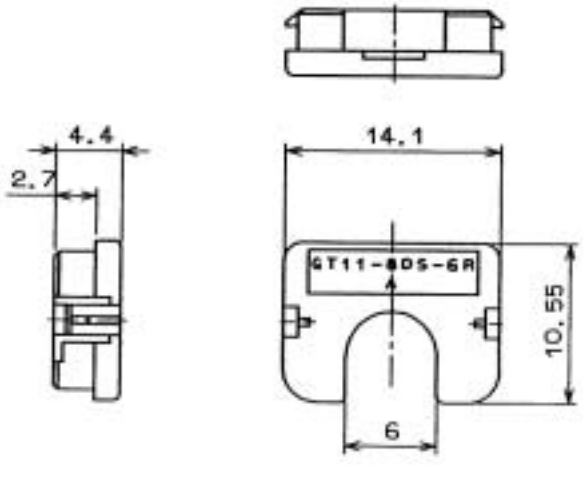
Part Number	CL No.	Material	Finish
GT11-8DS-SB	761-0016-8	Brass	Tin plating

● Housing



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

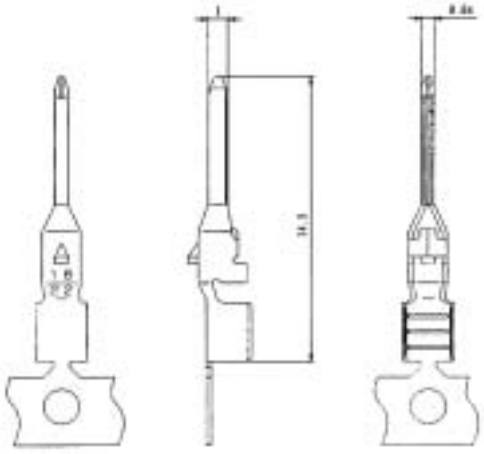
● Retainer (used with GT11-8DS-HU)



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

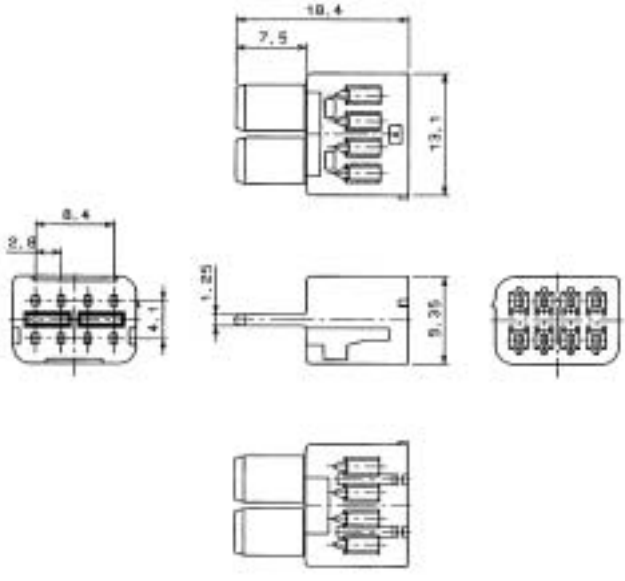
M Connectors

● Inner Terminals



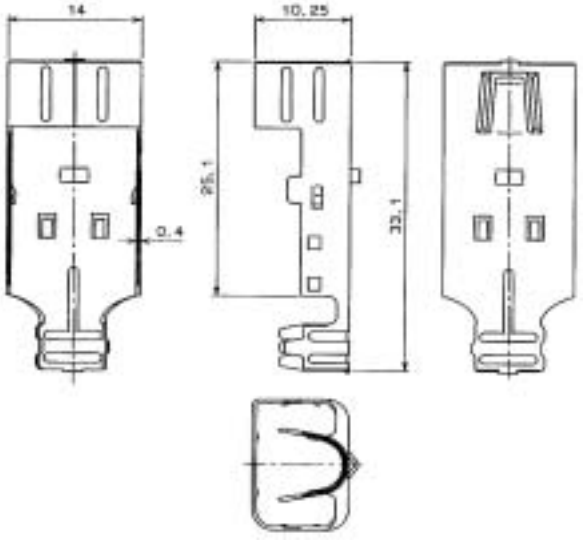
Part Number	CL No.	Conductor Size (AWG)	Material	Finish
GT11-1822PCF	761-0003-6	#18 to 22	Phosphor bronze	Tin plating
GT11-2428PCF	761-0019-6	#24 to 28	Phosphor bronze	Tin plating

● Insulator



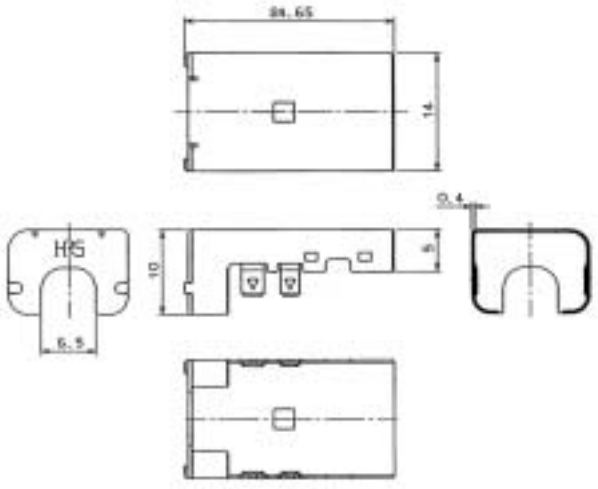
Part Number	CL No.	Material
GT11-8DP-2.8C	761-0009-2	PBT

● Outer terminals



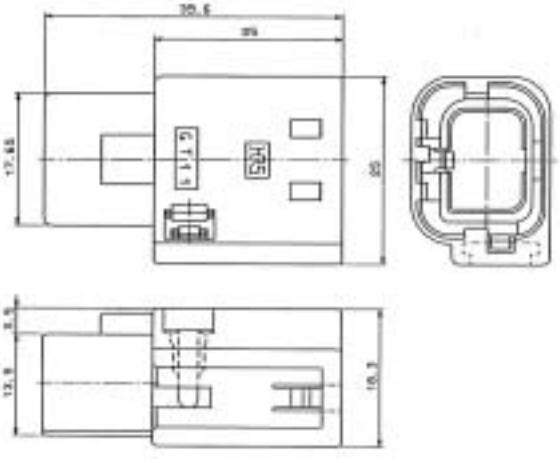
Part Number	CL No.	Material	Finish
GT11-8DP-5C	761-0010-1	Brass	Phosphor bronze

● Shield Plate



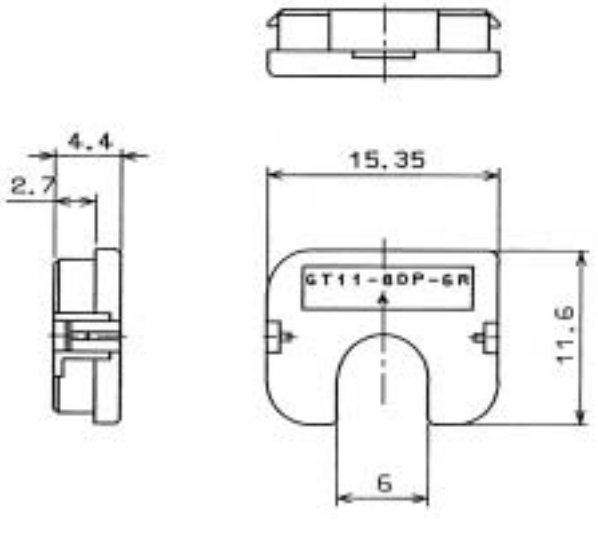
Part Number	CL No.	Material	Finish
GT11-8DP-SB	761-0011-4	Brass	Phosphor bronze

● Housing



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

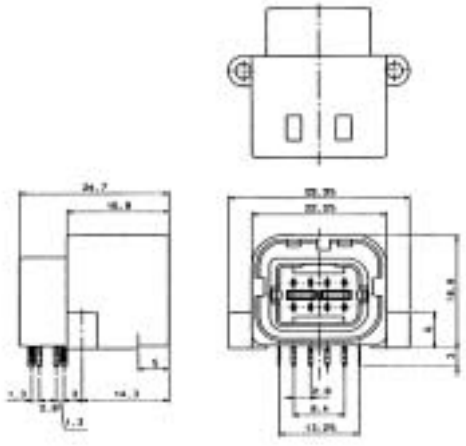
● Retainer (Used with GT11-8DS-HU)



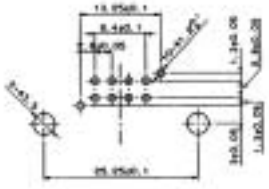
Part Number	CL No.	Material
GT11-8DP-6R	761-0013-0	PBT

* Reserved for product expansion

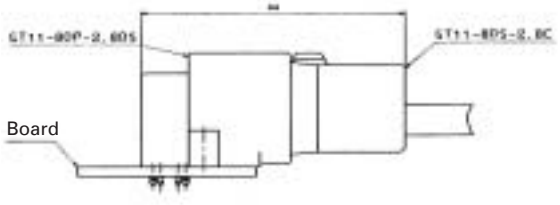
● Printed Circuit Board Type



◆Recommended Board Mounting Pattern



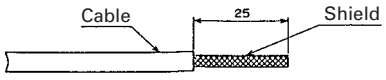
◆Fully mated connector assemblies



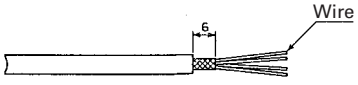
Part Number	CL No.	Item	Material	Finish
GT11-8DP-2.8DS	761-0021-8	Housing	PBT	
		Outer Terminal	Phosphor bronze	Tin plating
		Insulator	PBT	
		Terminal	Brass	Tin plating

Termination sequence

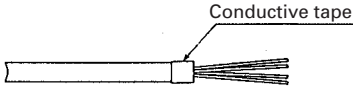
①Strip the Cable.



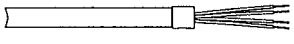
②Cut the shield and expose the wire.



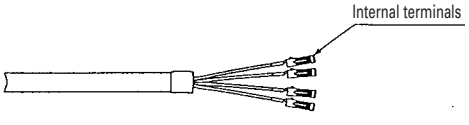
③Cut back the shield above the sheath and wrap with conductive tape.



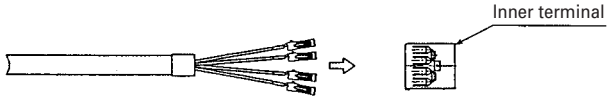
④Strip the wire.



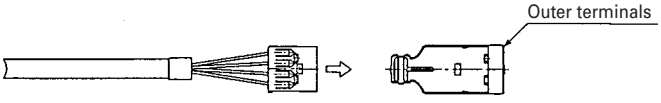
⑤Crimp the internal terminals.



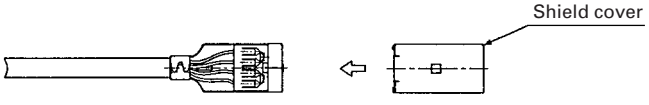
⑥Insert the inner terminals into the insulated case.



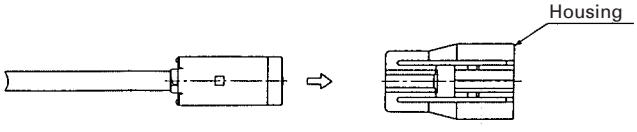
⑦Insert what was made in Step ⑥ into the Outer terminals.



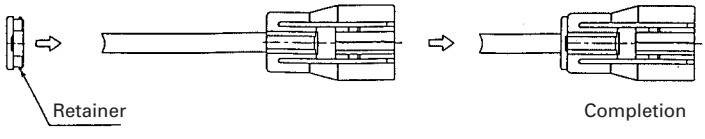
⑧Insert the caulking shield cover onto the Outer terminals.



⑨Insert what was made in Step ⑧ into the housing.



⑩Insert the retainer.



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	200 spm (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)**

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.

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

Hand Press

Part Number GT11-8S/P-HP