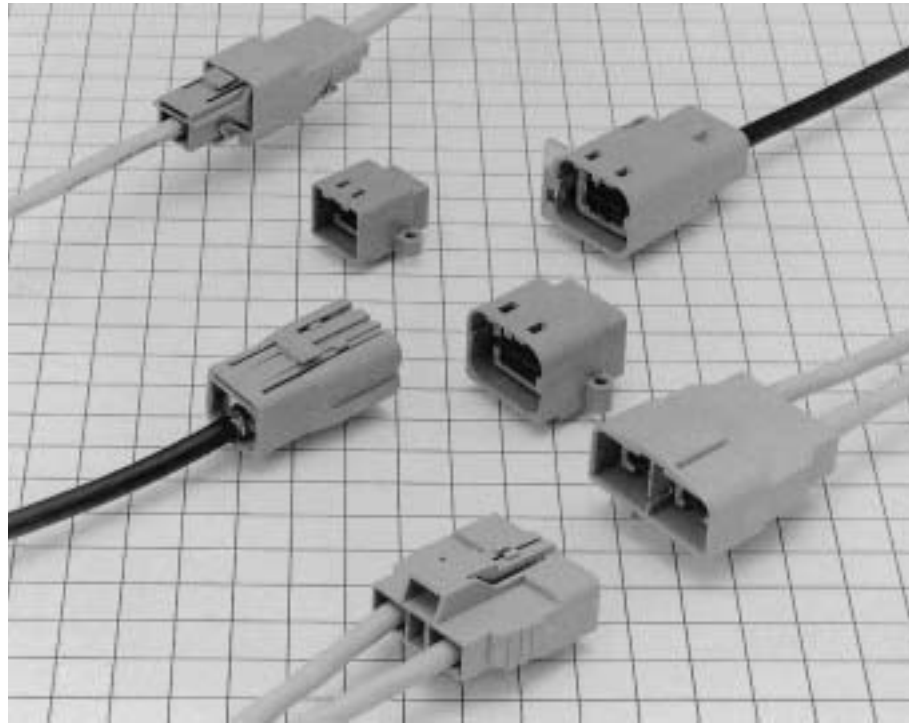


GT11 Series

— Connectors for coaxial cables —



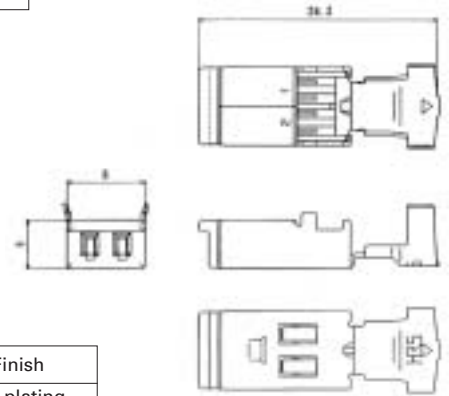
■ Features

- **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

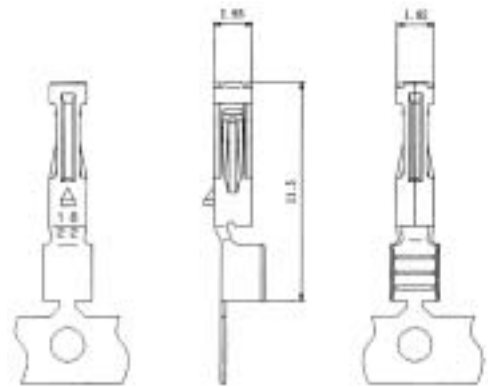


Part Number	CL No.	Applicable Cable
GT11-2S-5.2C	761-0002-3	4.5 to 5.2mm
GT11-2S-6.0C	761-0028-7	5.8 to 6.2mm

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.

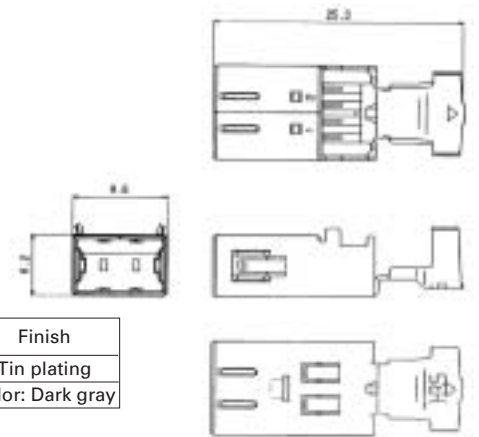
● Inner Terminals



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

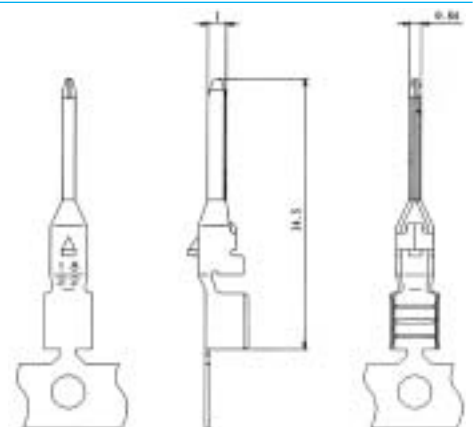


Part Number	CL No.	Applicable Cable
GT11-2P-5.2C	761-0001-0	4.5 to 5.2mm
GT11-2P-6.0C	761-0027-4	5.8 to 6.2mm

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



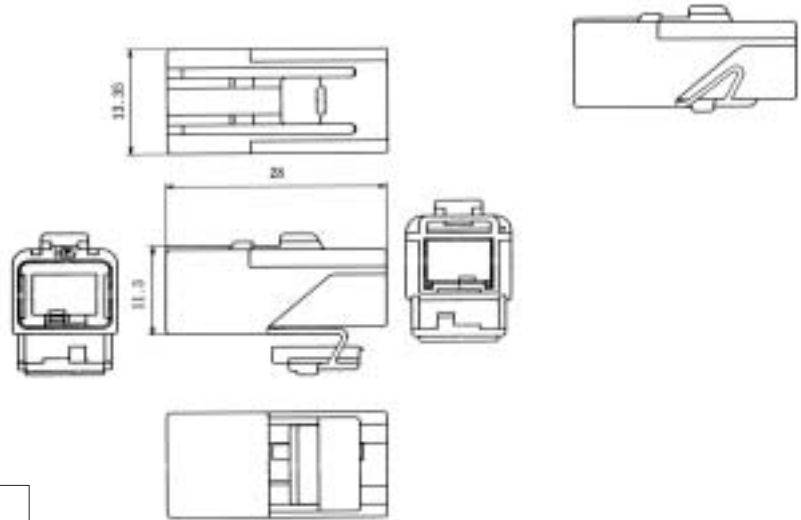
Part Number	CL No.	Conductor Size (AWG)	Material	Finish	Packaging
GT11-1822PCF	761-0003-6	#18 to 22	Brass	Tin plating	8,000 pcs. per reel
GT11-2428PCF	761-0019-6	#24 to 28			

For Double-Conductor coaxial cable

F Connectors

● Housing

◆ Shown with inserted retainer

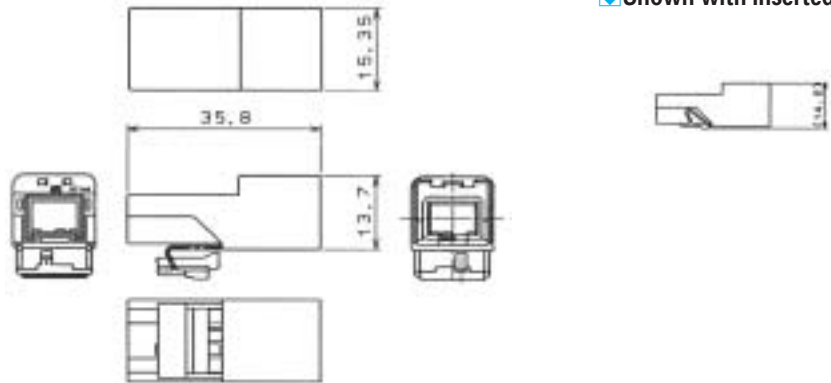


Part Number	CL No.	Material	Color
GT11-2S-HU	761-0005-1	PBT	Light gray

M Connectors

● Housing

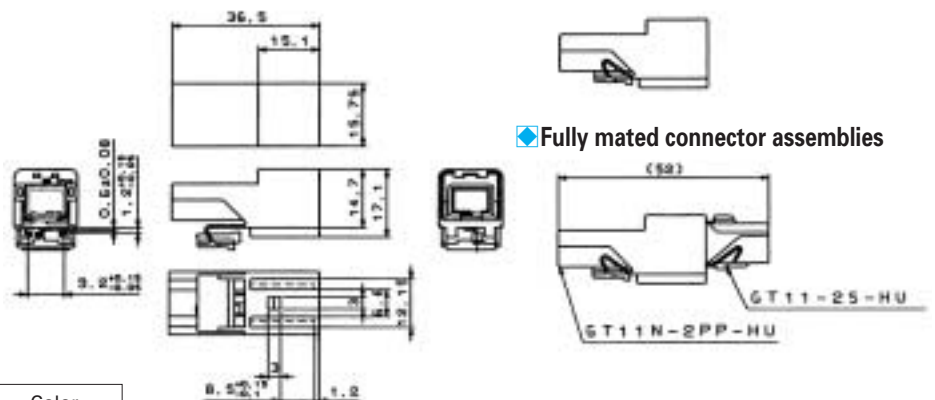
◆ Shown with inserted retainer



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



◆ Shown with inserted retainer

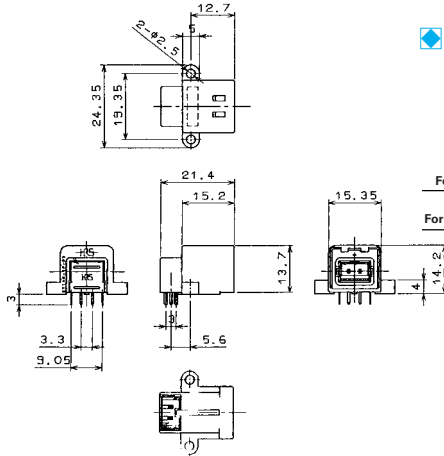


◆ Fully mated connector assemblies

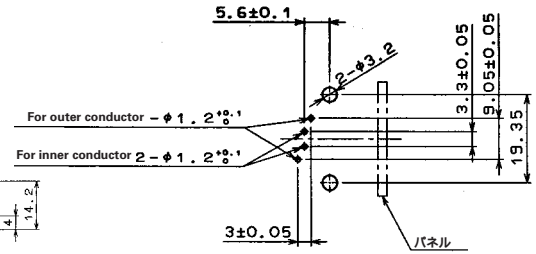
Part Number	CL No.	Material	Color
GT11N-2PP-HU	761-0008-0	PBT	Light gray

M Connectors

● Housing

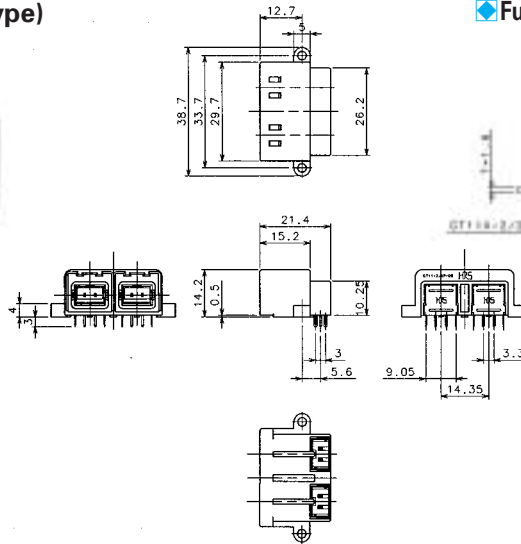


◆ Recommended Board Mounting Pattern

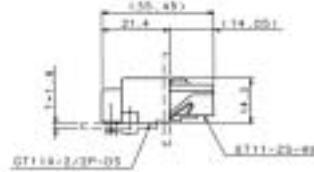


Part Number	CL No.	Material	Finish	Color
GT11-2S-HU	761-0005-1	PBT	—	Light gray
		Brass	Tin plating	—
		PBT	—	Dark gray
		Phosphor bronze	Tin plating	—

● Housing (2-position Type)



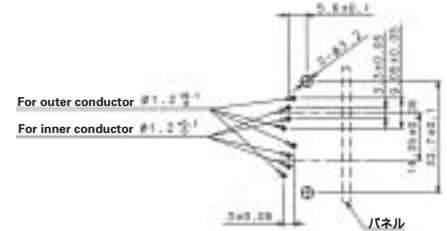
◆ Fully mated connector assemblies



◆ Recommended Panel Cut-out

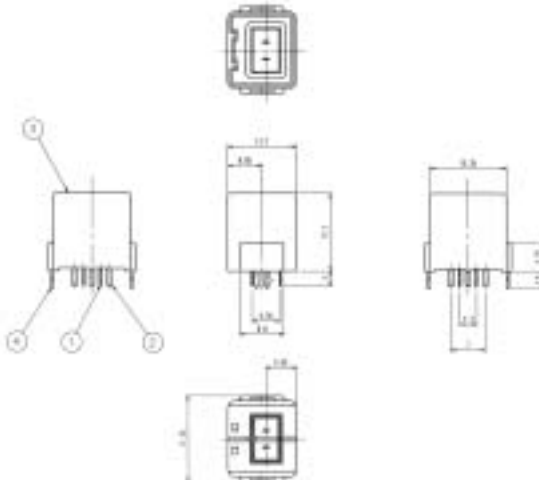


◆ Recommended Board Mounting Pattern

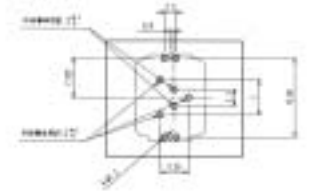


Part Number	CL No.	Material	Finish	Color
GT11X-2/2P-DS	761-0022-0	PBT	—	Light gray
		Brass	Tin plating	—
		PBT	—	Dark gray
		Phosphor bronze	Tin plating	—

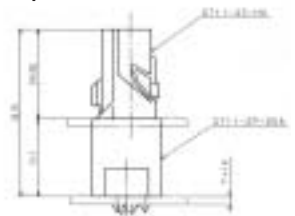
● Housing (Straight Type)



◆ Recommended Board Mounting Pattern



◆ Fully mated connector assemblies

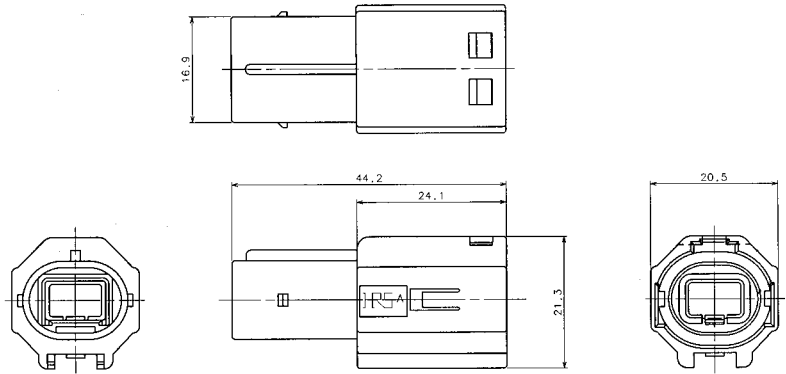


Part Number	CL No.
GT11-2P-DSA	761-0038-0

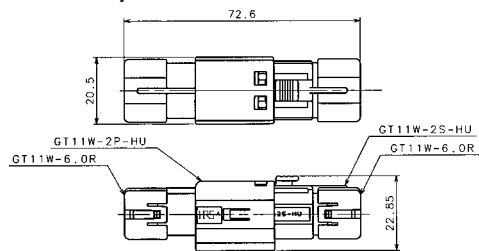
Waterproof type For Double-Conductor coaxial cable

F Connectors

● Housing



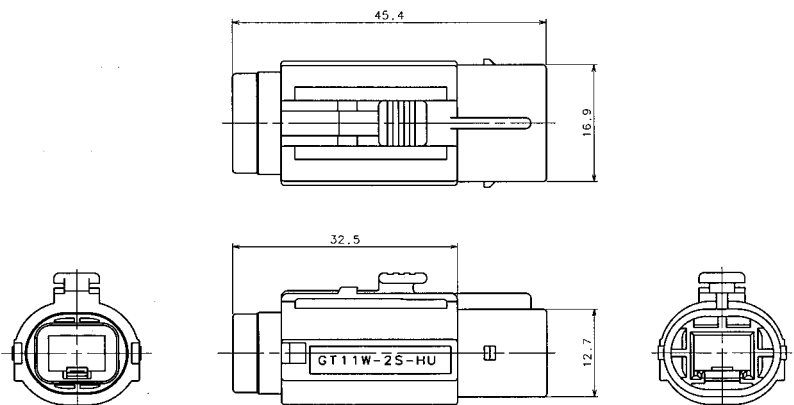
◆ Fully mated connector assemblies



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

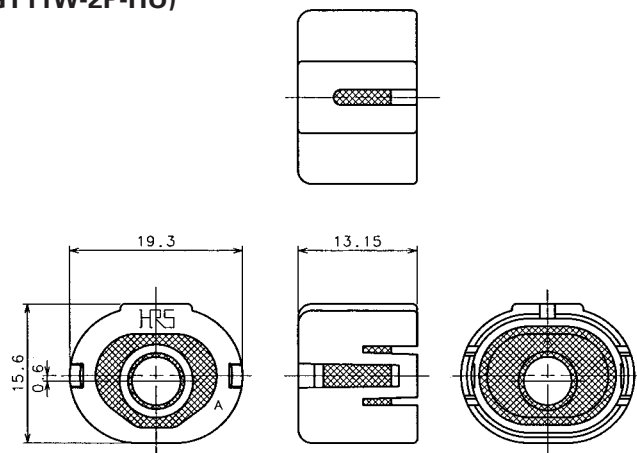
M Connectors

● Housing



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

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

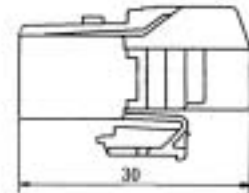
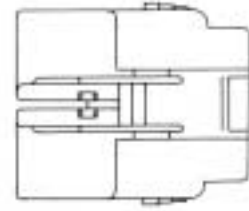
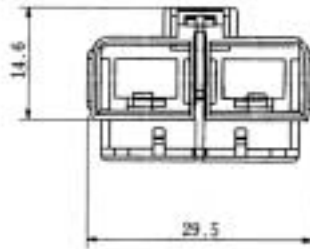


Part Number	CL No.	Applicable Cable
GT11W-6.0R	761-0025-9	PBT Silicon rubber compound

Waterproof type For Double-Conductor coaxial cable

F Connectors

● Housing



◆ Shown with inserted retainer

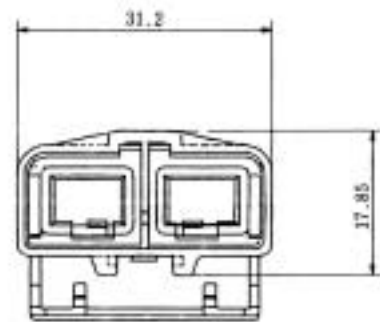
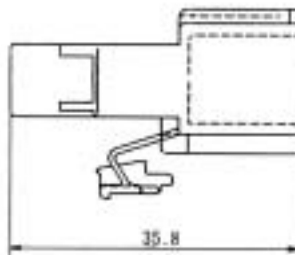
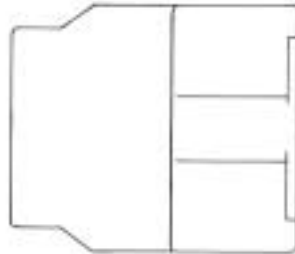


Part Number	CL No.	Material	Color
GT11K-2/2S-HU	761-0039-3	PBT	Light gray

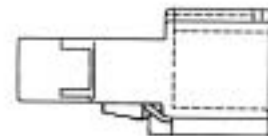
* Mates only with GT11KN-2/2PP-HU.

M Connectors

● Housing



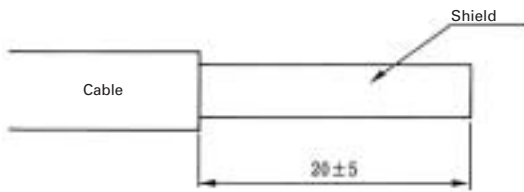
◆ Shown with inserted retainer



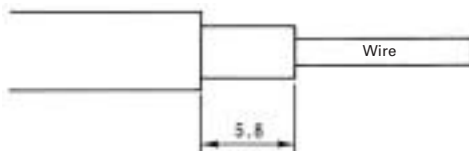
Part Number	CL No.	Material	Color
GT11KN-2/2PP-HU	761-0040-2	PBT	Light gray

◆ Termination sequence

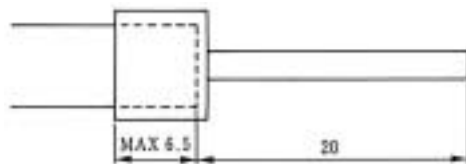
① Strip the cable.



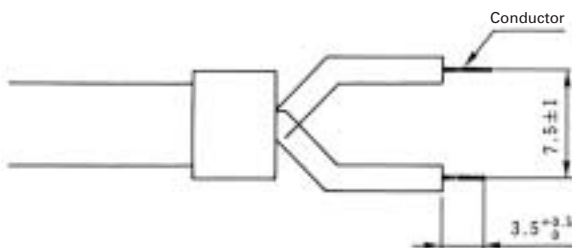
② Cut the shield and expose the wire.



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

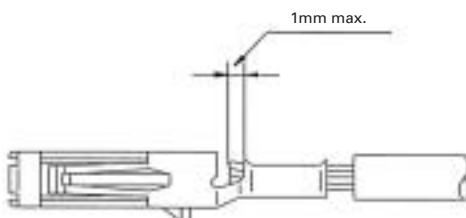


④ Strip the wire and form it.



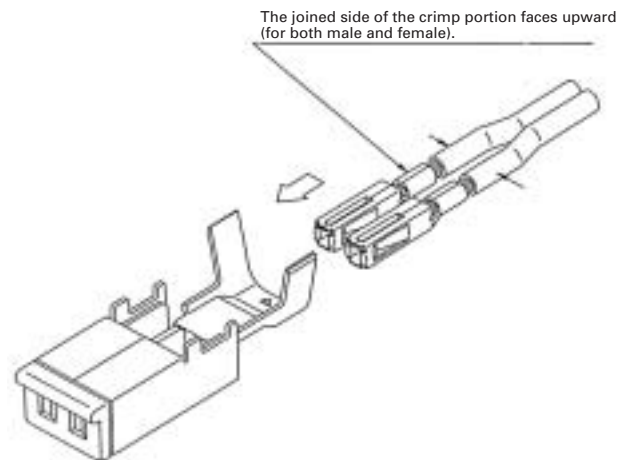
Jig used: Cable-forming strip jig
(Refer to Page 85 for detail.)

⑤ Crimp the wire to the internal terminal.

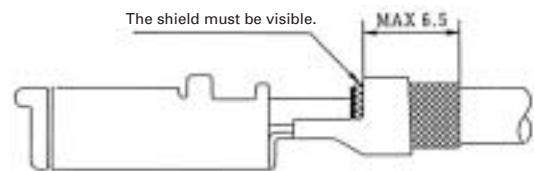


Jig used: Automatic crimping machine.
(Refer to Page 85 for detail.)

⑥ Insert the internal terminals into the Outer terminals.

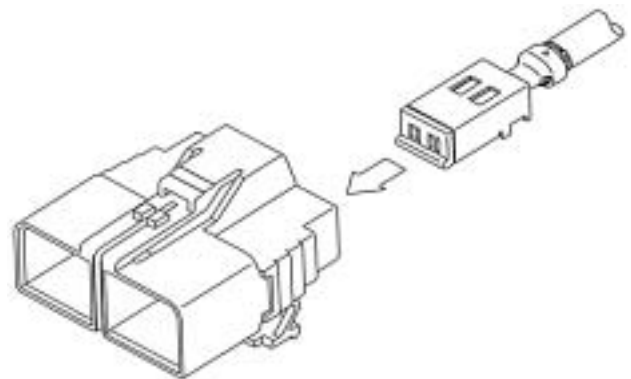


⑦ Crimp the Outer terminal.

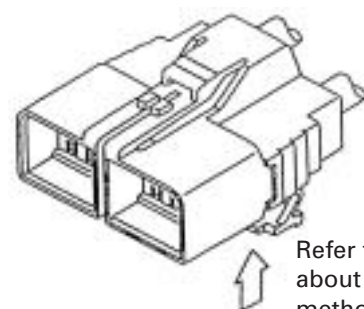


Jig used: Outside tube caulking jig.
(Refer to Page 91 for detail.)

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

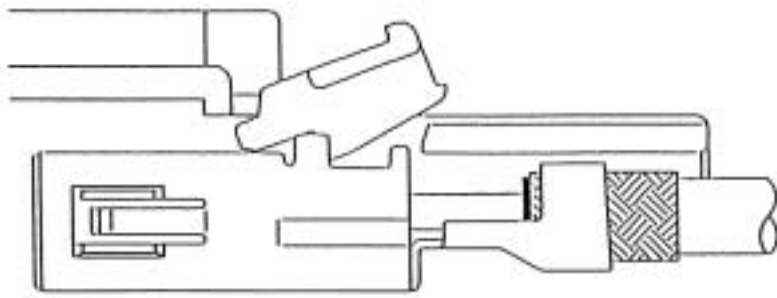
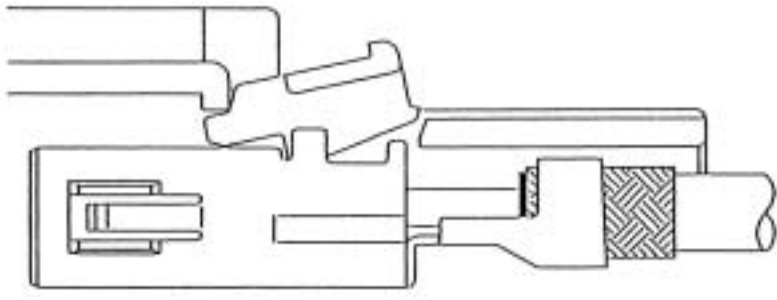
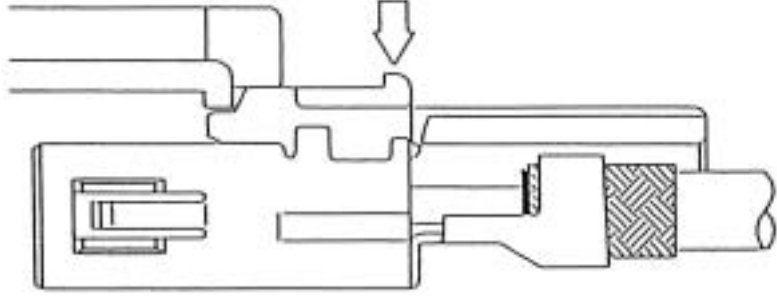
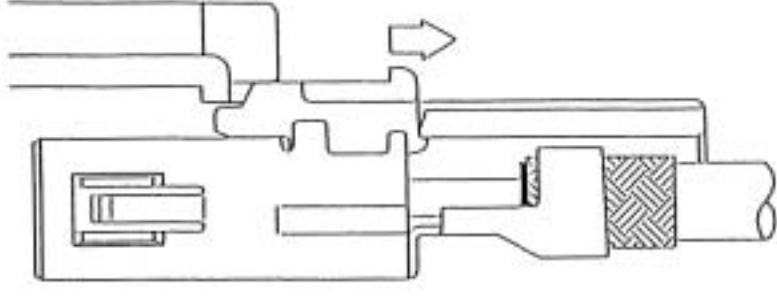


⑨ Mount the retainer to complete the task.



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

◆ Retainer Mounting Method

<p>a. Insert so that the terminal locking tab is inserted between the top surface of the terminal and the housing.</p>	 A cross-sectional diagram of a terminal and its housing. A locking tab is being inserted from the top into a slot between the terminal and the housing. The terminal has a cylindrical body with a textured section and a protruding end. The housing has a rectangular opening with a locking mechanism.
<p>b. Push in while changing the angle of the retainer until the front surface comes to a stop.</p>	 A cross-sectional diagram similar to the first one, but the locking tab is now partially inserted and angled downwards. The front surface of the terminal is in contact with the housing.
<p>c. Press the rear portion of the retainer and snap it into the locked position.</p>	 A cross-sectional diagram showing the locking tab fully inserted. A downward-pointing arrow indicates the rear portion of the terminal being pressed down into the housing.
<p>d. If locking is not complete, press the rear portion of the retainer again while pulling it backward.</p>	 A cross-sectional diagram showing the locking tab fully inserted. A downward-pointing arrow indicates the rear portion of the terminal being pressed down, and a rightward-pointing arrow indicates the terminal being pulled back.

* 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

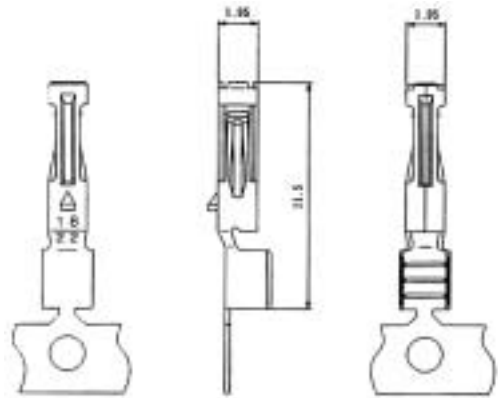
	Specification	Remarks
Mounting Dimensions	Approximately 300 W x 400 D x 300 H	Approximately 300 W x 250 D x 200 H
Weight	Approximately 25 kg	Approximately 5 kg
Power supply	AC100V (50/60Hz)	
Air pressure	5-6Kgf/cm	

* 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

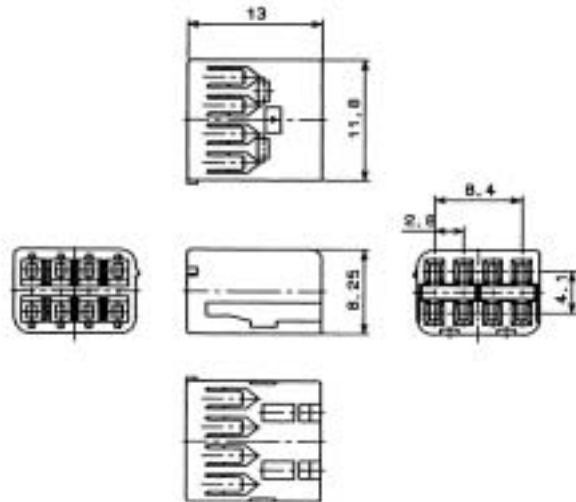
F Connectors

● Inner Terminal



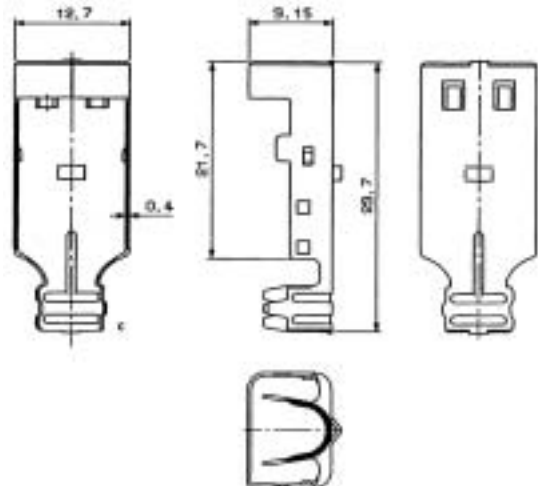
Part Number	CL No.	Conductor Size (AWG)	Material	Finish
GT11-1822SCF	761-0004-9	#24 to 28	Phosphor bronze	Tin plating
GT11-2428SCF	761-0020-5	#24 to 28	Phosphor bronze	Tin plating

● Insulator



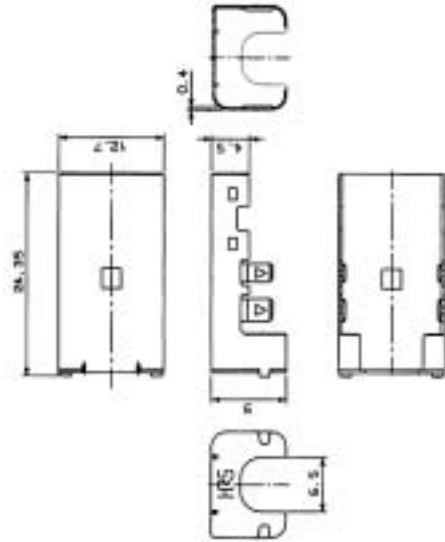
Part Number	CL No.	Material
GT11-8DS-2.8C	761-0014-2	PBT

● Outer terminals



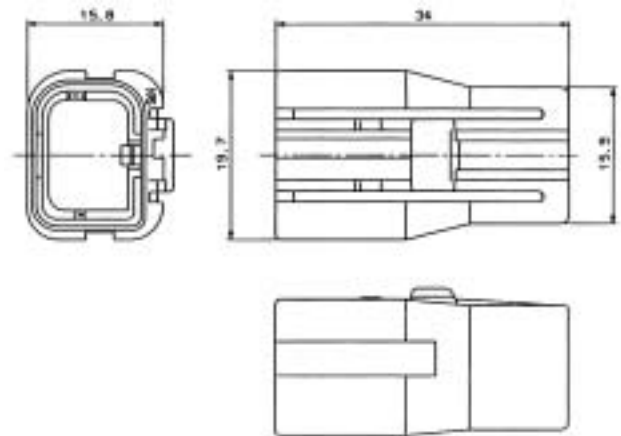
Part Number	CL No.	Material	Finish
GT11-8DS-5C	761-0015-5	Brass	Phosphor bronze

● Shield Plate



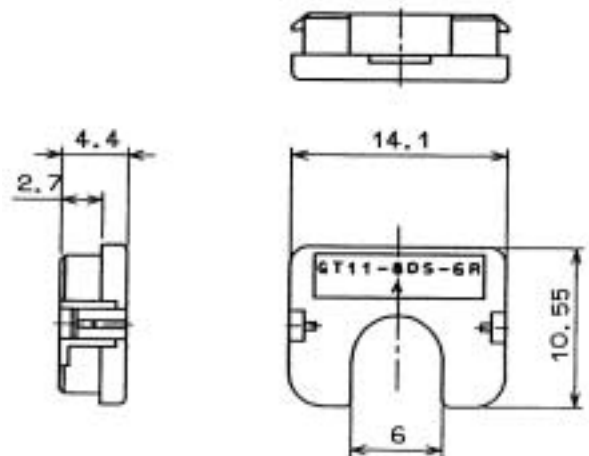
Part Number	CL No.	Material	Finish
GT11-8DS-SB	761-0016-8	Brass	Tin plating

● Housing



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

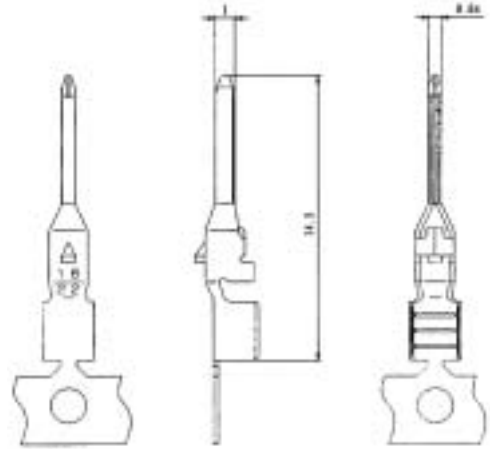
● Retainer (used with GT11-8DS-HU)



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

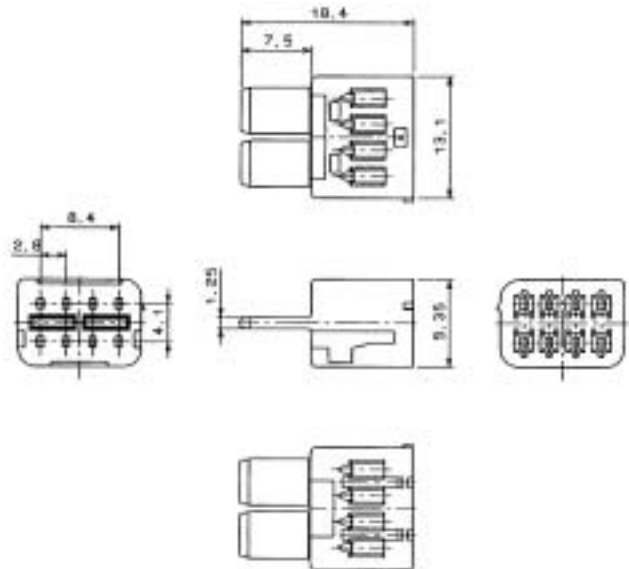
M Connectors

● Inner Terminals



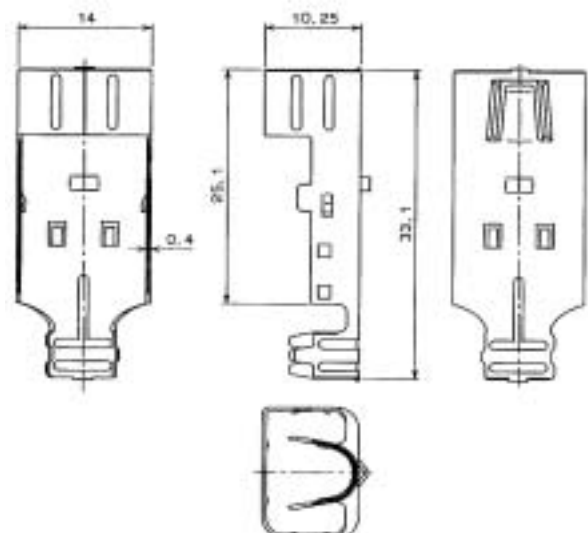
Part Number	CL No.	Conductor Size (AWG)	Material	Finish
GT11-1822PCF	761-0003-6	#18 to 22	Phosphor bronze	Tin plating
GT11-2428PCF	761-0019-6	#24 to 28	Phosphor bronze	Tin plating

● Insulator



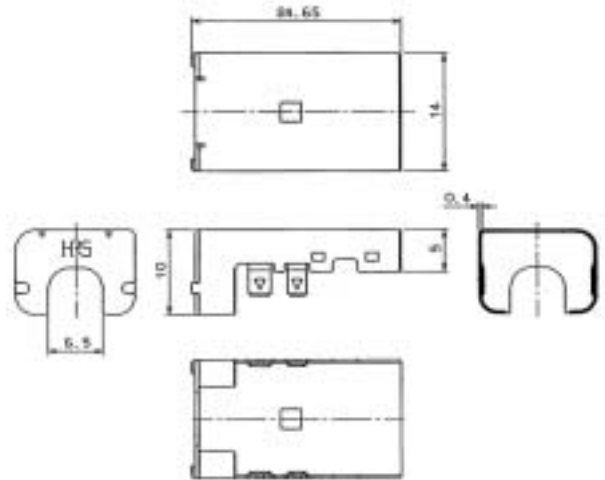
Part Number	CL No.	Material
GT11-8DP-2.8C	761-0009-2	PBT

● Outer terminals



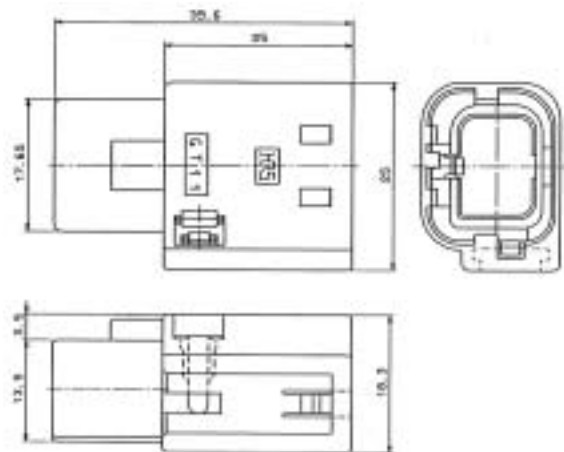
Part Number	CL No.	Material	Finish
GT11-8DP-5C	761-0010-1	Brass	Phosphor bronze

● Shield Plate



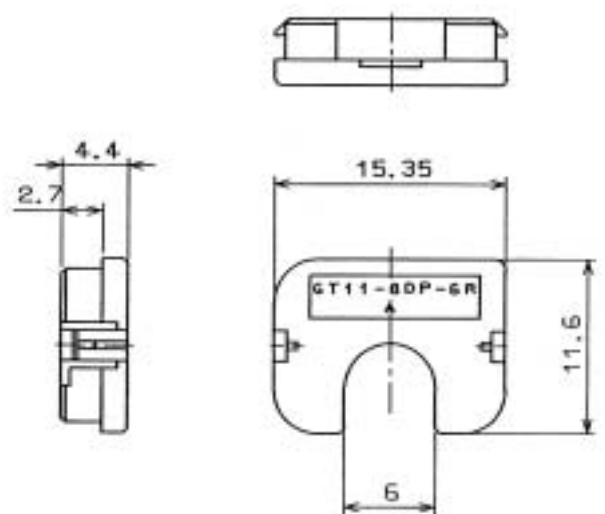
Part Number	CL No.	Material	Finish
GT11-8DP-SB	761-0011-4	Brass	Phosphor bronze

● Housing



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

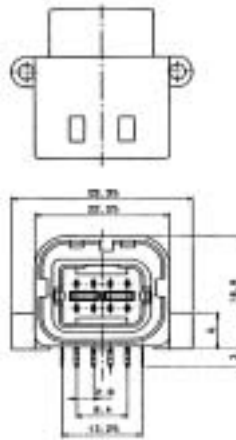
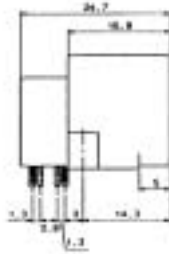
● Retainer (Used with GT11-8DS-HU)



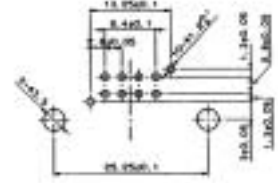
Part Number	CL No.	Material
GT11-8DP-6R	761-0013-0	PBT

* Reserved for product expansion

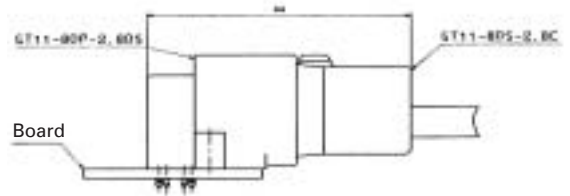
● Printed Circuit Board Type



◆ Recommended Board Mounting Pattern

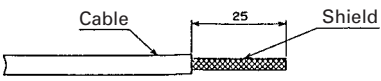
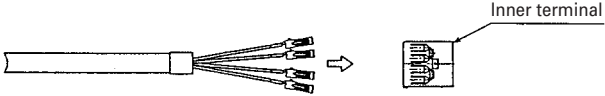
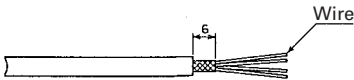
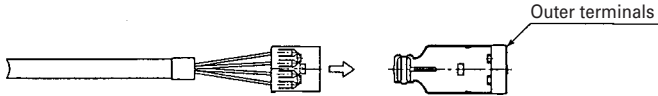
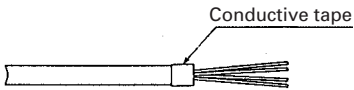
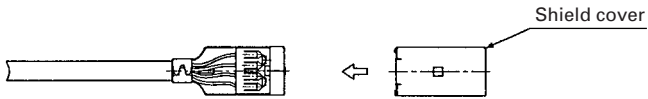
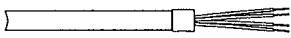
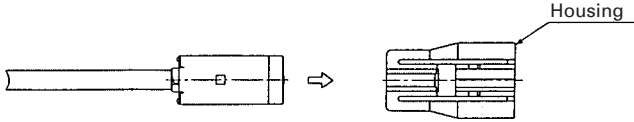
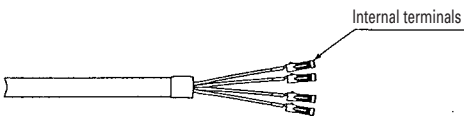
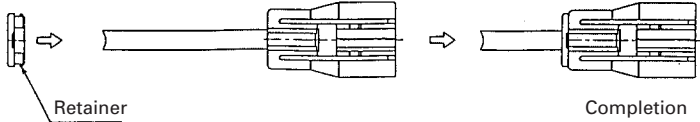


◆ Fully mated connector assemblies



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>The diagram shows a cross-section of a cable. A section of the outer jacket, labeled 'Shield', is being stripped back by 25mm. The remaining part of the cable is labeled 'Cable'.</p>	<p>⑥ Insert the inner terminals into the insulated case.</p>  <p>The diagram shows a bundle of wires with small terminals attached. An arrow points to a rectangular component labeled 'Inner terminal' which has slots for the terminals.</p>
<p>② Cut the shield and expose the wire.</p>  <p>The diagram shows the cable with the shield cut. A section of the inner wires, labeled 'Wire', is exposed for a length of 6mm.</p>	<p>⑦ Insert what was made in Step ⑥ into the Outer terminals.</p>  <p>The diagram shows the inner terminal assembly from Step 6 being inserted into a larger component labeled 'Outer terminals'.</p>
<p>③ Cut back the shield above the sheath and wrap with conductive tape.</p>  <p>The diagram shows the cable with a piece of 'Conductive tape' wrapped around the remaining shield above the sheath.</p>	<p>⑧ Insert the caulking shield cover onto the Outer terminals.</p>  <p>The diagram shows a cylindrical component labeled 'Shield cover' being inserted onto the outer terminal assembly.</p>
<p>④ Strip the wire.</p>  <p>The diagram shows the individual wires from the cable being stripped at their ends.</p>	<p>⑨ Insert what was made in Step ⑧ into the housing.</p>  <p>The diagram shows the shielded assembly from Step 8 being inserted into a component labeled 'Housing'.</p>
<p>⑤ Crimp the internal terminals.</p>  <p>The diagram shows small 'Internal terminals' being crimped onto the individual wires.</p>	<p>⑩ Insert the retainer.</p>  <p>The diagram shows a 'Retainer' being inserted into the housing. The final state is labeled 'Completion'.</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

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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