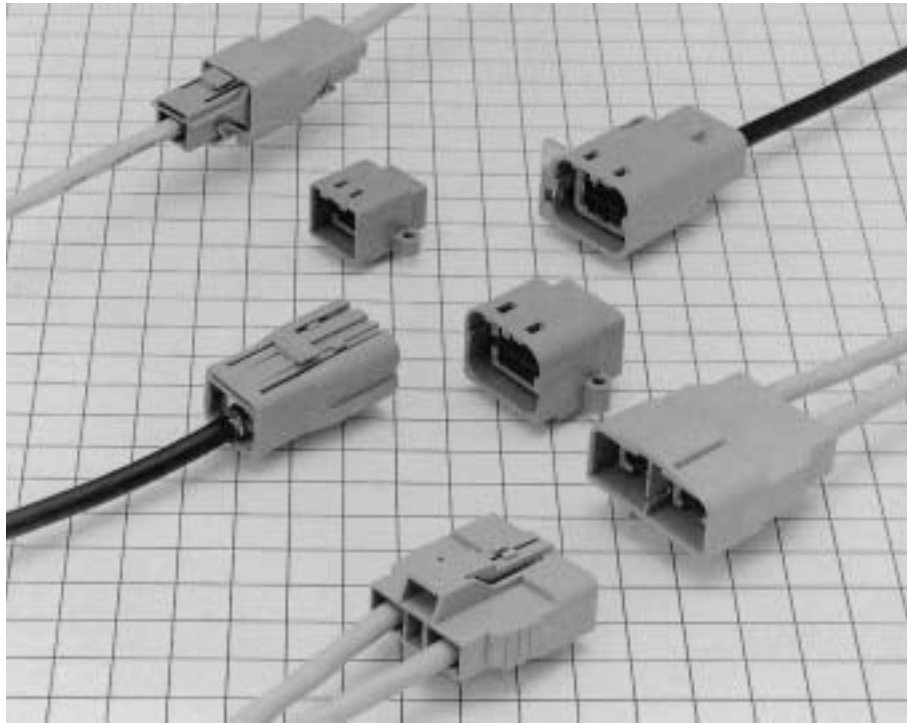


# GT11 Series

— Connectors for coaxial cables —



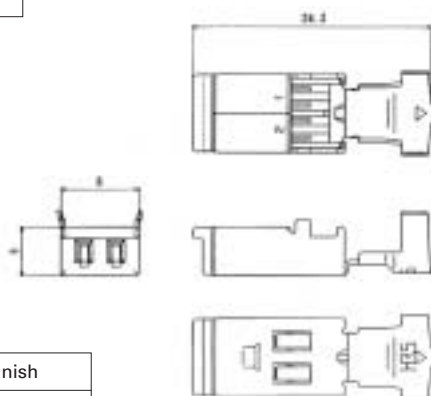
## ■ Features

- **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

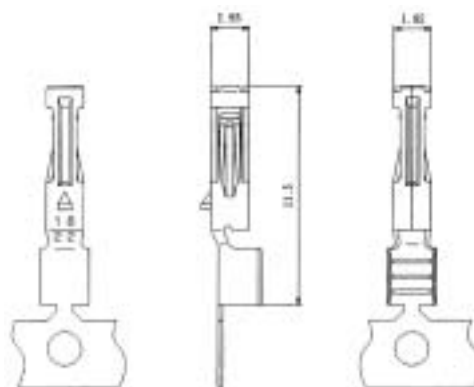


| Part Number  | CL No.     | Applicable Cable |
|--------------|------------|------------------|
| GT11-2S-5.2C | 761-0002-3 | 4.5 to 5.2mm     |
| GT11-2S-6.0C | 761-0028-7 | 5.8 to 6.2mm     |

| 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.

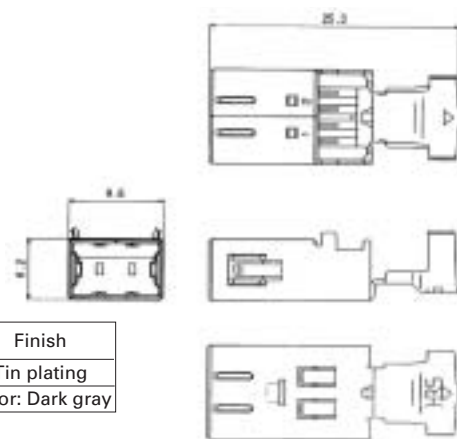
#### ● Inner Terminals



| 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

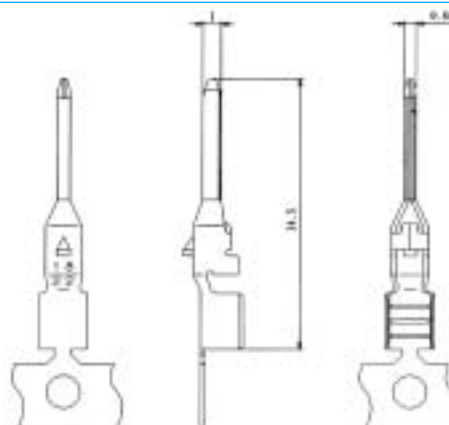


| Part Number  | CL No.     | Applicable Cable |
|--------------|------------|------------------|
| GT11-2P-5.2C | 761-0001-0 | 4.5 to 5.2mm     |
| GT11-2P-6.0C | 761-0027-4 | 5.8 to 6.2mm     |

| 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

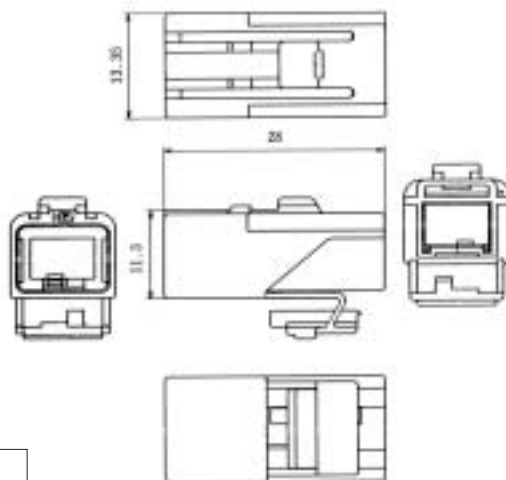


| Part Number  | CL No.     | Conductor Size (AWG) | Material | Finish      | Packaging           |
|--------------|------------|----------------------|----------|-------------|---------------------|
| GT11-1822PCF | 761-0003-6 | #18 to 22            | Brass    | Tin plating | 8,000 pcs. per reel |
|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

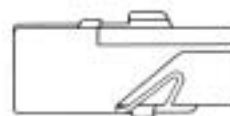
## For Double-Conductor coaxial cable

### F Connectors

#### ● Housing



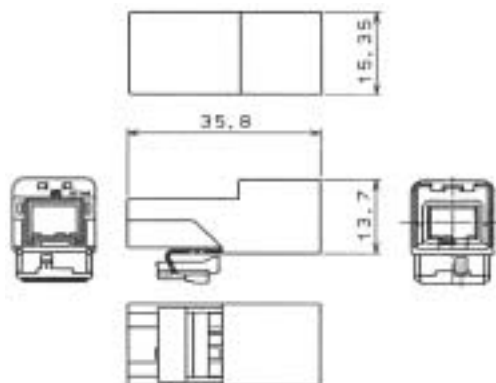
◆ Shown with inserted retainer



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

### M Connectors

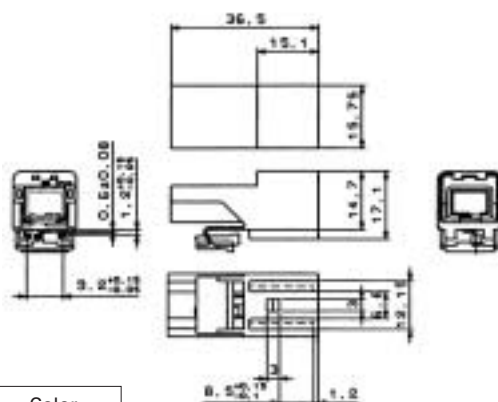
#### ● Housing



◆ Shown with inserted retainer



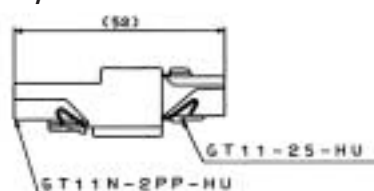
| Part Number | CL No.     | Material | Color      |
|-------------|------------|----------|------------|
| GT11-2P-HU  | 761-0006-4 | PBT      | Light gray |



◆ Shown with inserted retainer



◆ Fully mated connector assemblies



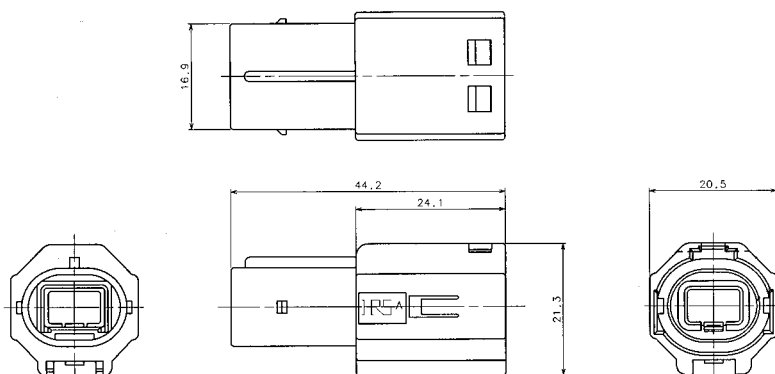
| Part Number  | CL No.     | Material | Color      |
|--------------|------------|----------|------------|
| GT11N-2PP-HU | 761-0008-0 | PBT      | Light gray |



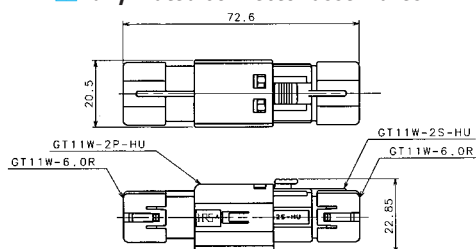
## Waterproof type For Double-Conductor coaxial cable

### F Connectors

#### ● Housing



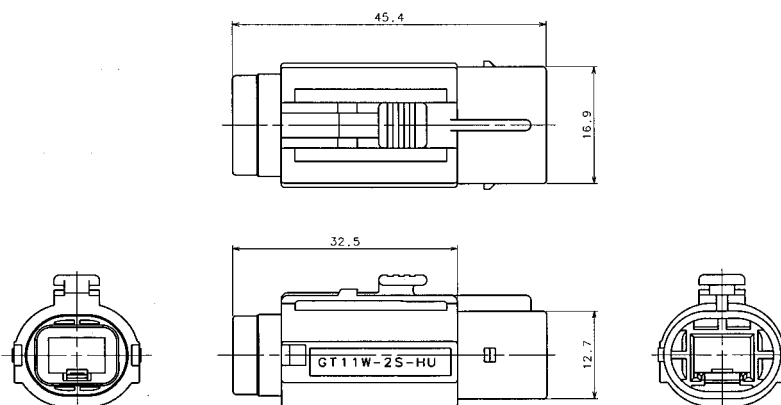
#### ◆ Fully mated connector assemblies



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

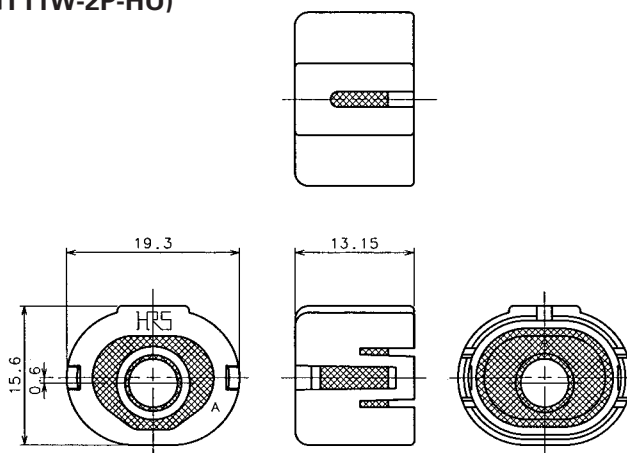
### M Connectors

#### ● Housing



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

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

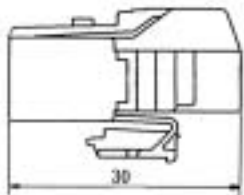
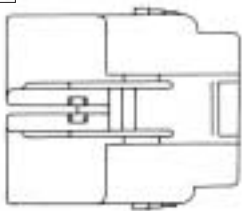
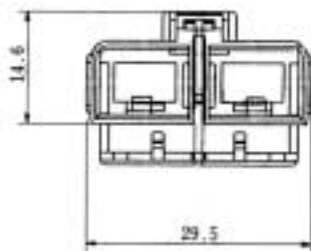


| Part Number | CL No.     | Applicable Cable               |
|-------------|------------|--------------------------------|
| GT11W-6.0R  | 761-0025-9 | PBT<br>Silicon rubber compound |

# Waterproof type For Double-Conductor coaxial cable

## F Connectors

● Housing



◆ Shown with inserted retainer

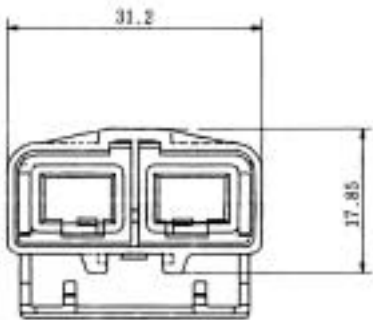
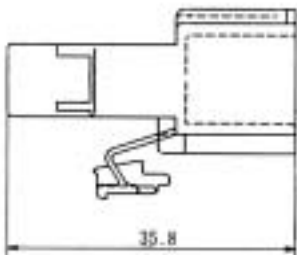
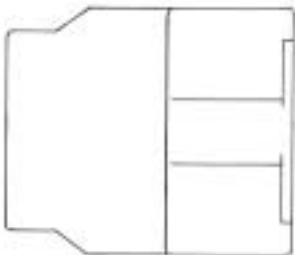


| Part Number   | CL No.     | Material | Color      |
|---------------|------------|----------|------------|
| GT11K-2/2S-HU | 761-0039-3 | PBT      | Light gray |

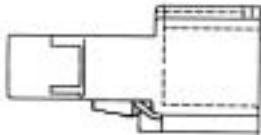
\* Mates only with GT11KN-2/2PP-HU.

## M Connectors

● Housing



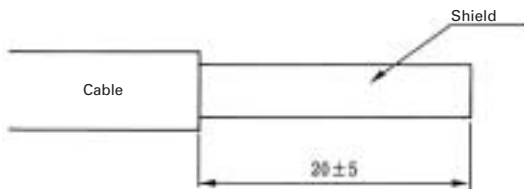
◆ Shown with inserted retainer



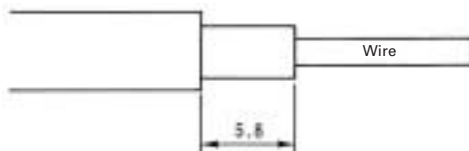
| Part Number     | CL No.     | Material | Color      |
|-----------------|------------|----------|------------|
| GT11KN-2/2PP-HU | 761-0040-2 | PBT      | Light gray |

## ◆ Termination sequence

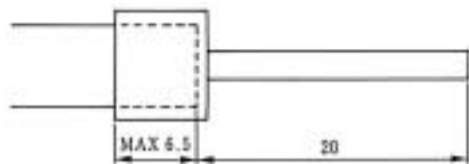
### ① Strip the cable.



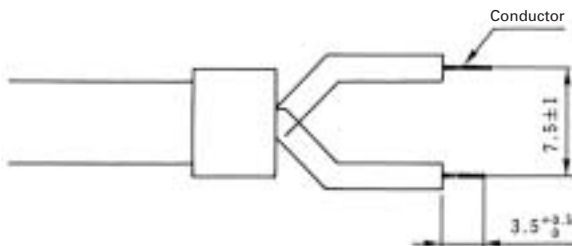
### ② Cut the shield and expose the wire.



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

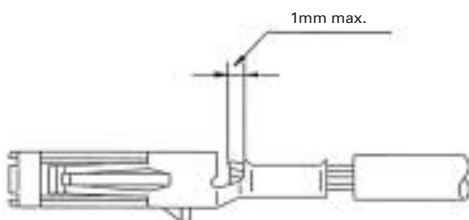


### ④ Strip the wire and form it.



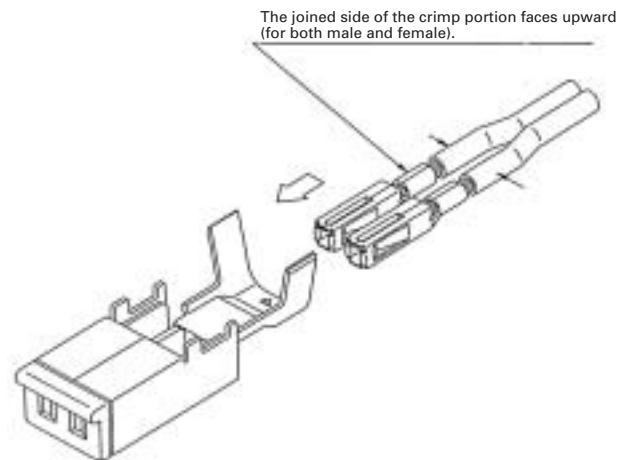
Jig used: Cable-forming strip jig  
(Refer to Page 85 for detail.)

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

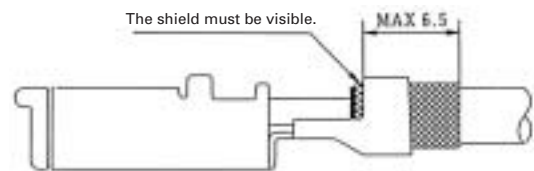


Jig used: Automatic crimping machine.  
(Refer to Page 85 for detail.)

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

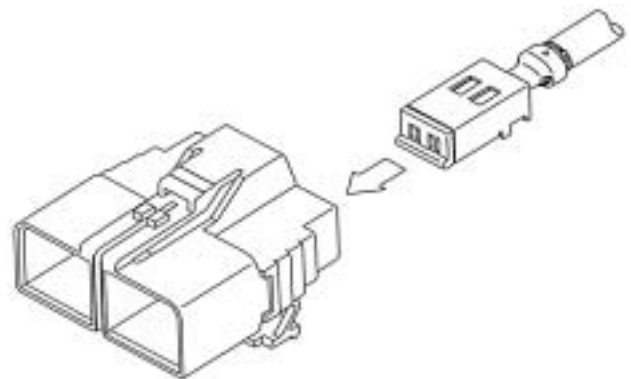


### ⑦ Crimp the Outer terminal.

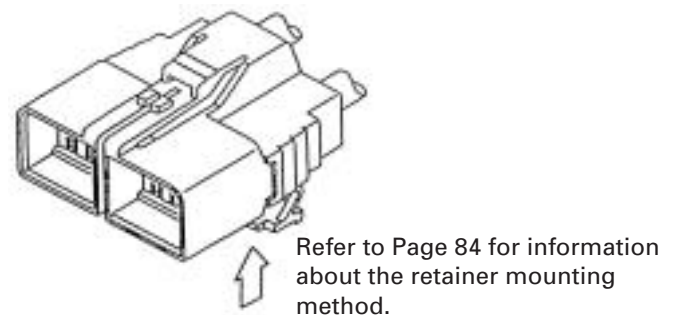


Jig used: Outside tube caulking jig.  
(Refer to Page 91 for detail.)

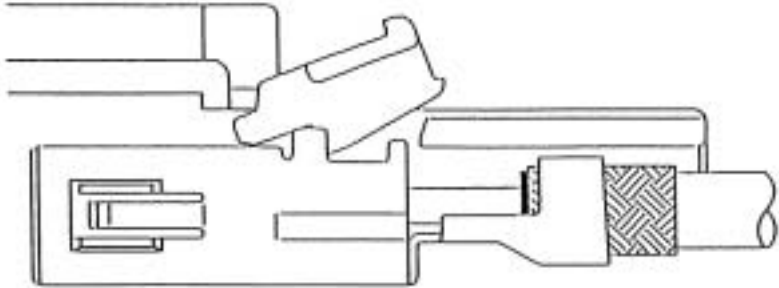
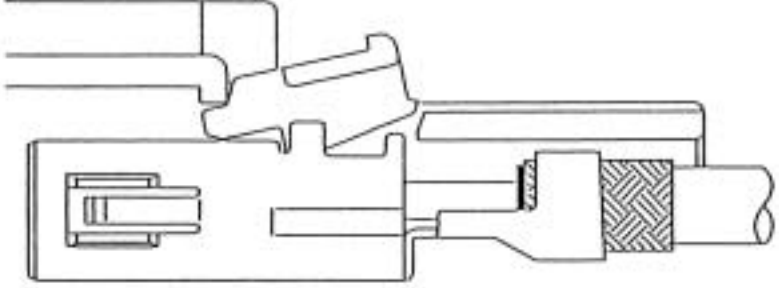
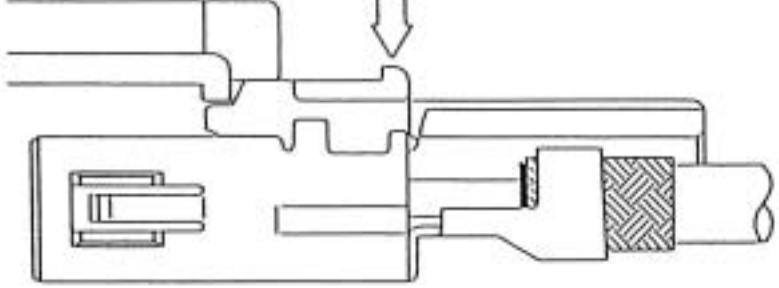
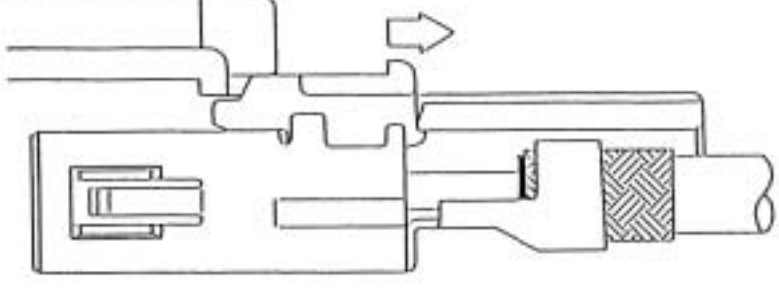
### ⑧ Insert the terminal into the housing. (Please insert until the terminal is stopped by the lance.)



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



## ◆ 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

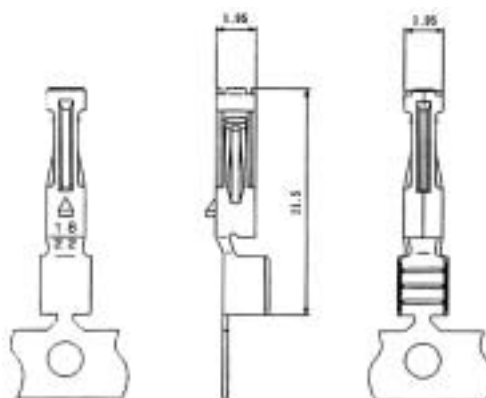
|                     | Specification                       | Remarks                             |
|---------------------|-------------------------------------|-------------------------------------|
| Mounting Dimensions | Approximately 300 W x 400 D x 300 H | Approximately 300 W x 250 D x 200 H |
| 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

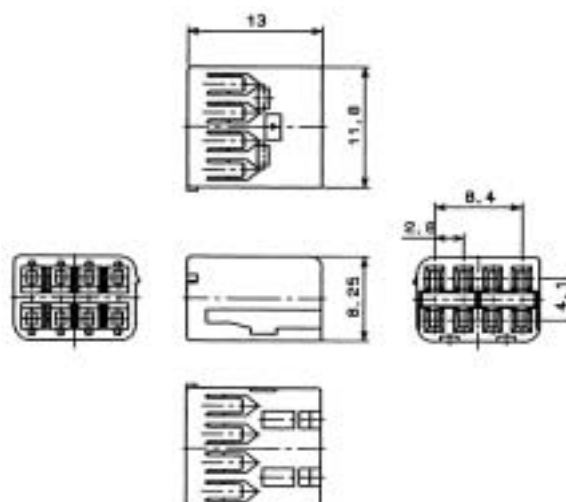
### F Connectors

#### ● Inner Terminal



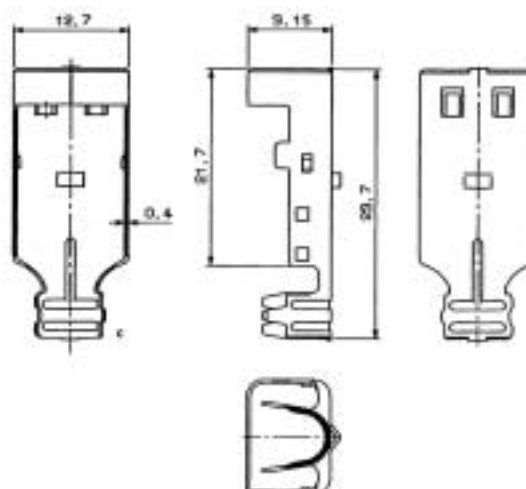
| Part Number  | CL No.     | Conductor Size (AWG) | Material        | Finish      |
|--------------|------------|----------------------|-----------------|-------------|
| GT11-1822SCF | 761-0004-9 | #24 to 28            | Phosphor bronze | Tin plating |
| GT11-2428SCF | 761-0020-5 | #24 to 28      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

#### ● Insulator



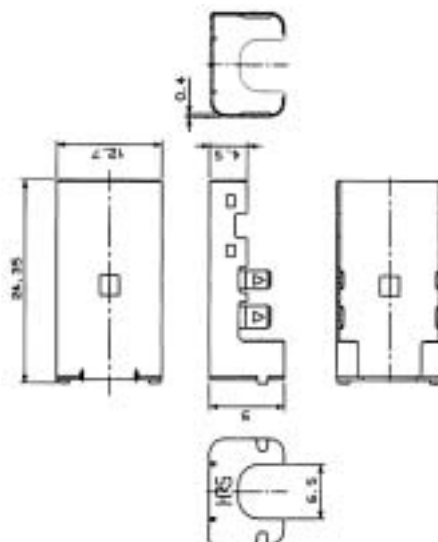
| Part Number   | CL No.     | Material |
|---------------|------------|----------|
| GT11-8DS-2.8C | 761-0014-2 | PBT      |

#### ● Outer terminals



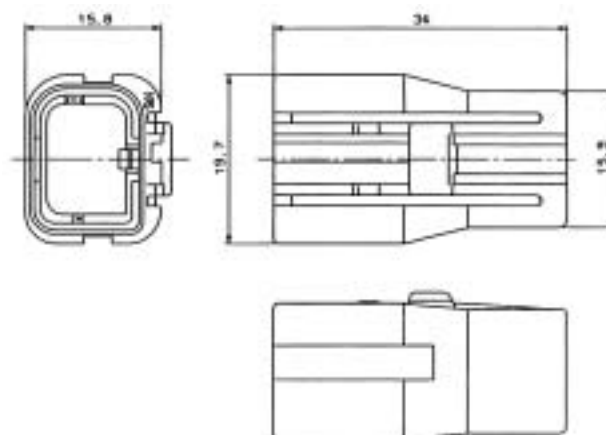
| Part Number | CL No.     | Material | Finish          |
|-------------|------------|----------|-----------------|
| GT11-8DS-5C | 761-0015-5 | Brass    | Phosphor bronze |

### ● Shield Plate



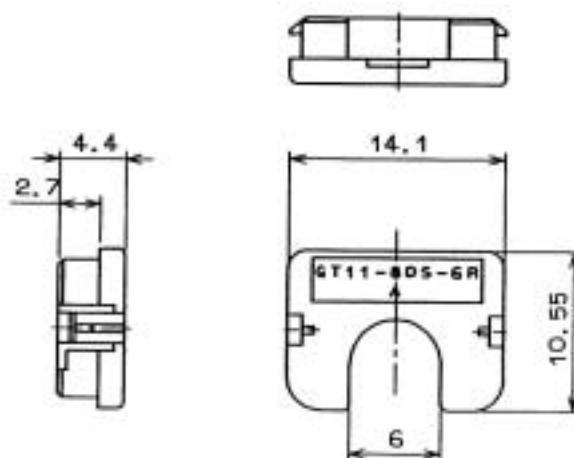
| Part Number | CL No.     | Material | Finish      |
|-------------|------------|----------|-------------|
| GT11-8DS-SB | 761-0016-8 | Brass    | Tin plating |

### ● Housing



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

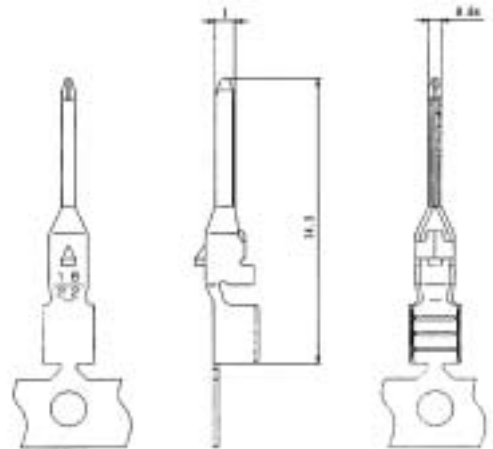
### ● Retainer (used with GT11-8DS-HU)



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

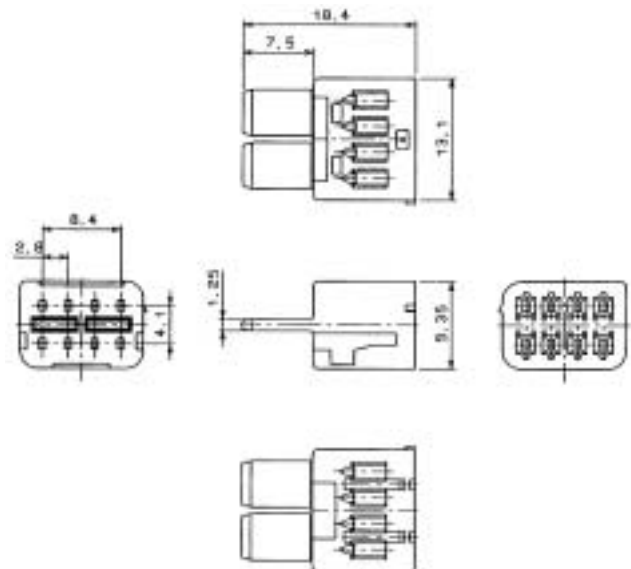
## M Connectors

### ● Inner Terminals



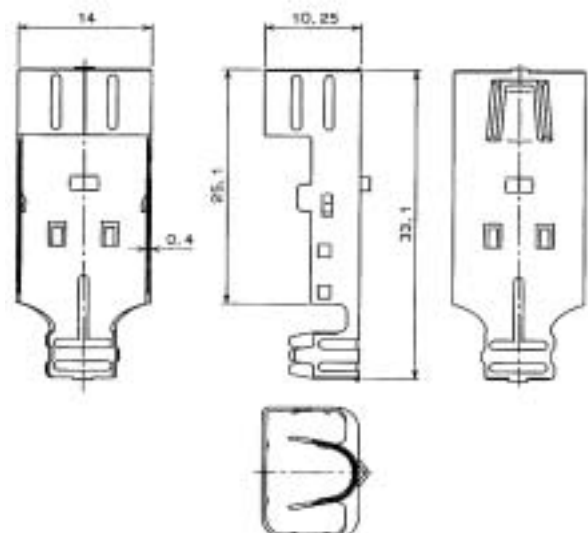
| Part Number  | CL No.     | Conductor Size (AWG) | Material        | Finish      |
|--------------|------------|----------------------|-----------------|-------------|
| GT11-1822PCF | 761-0003-6 | #18 to 22            | Phosphor bronze | Tin plating |
| GT11-2428PCF | 761-0019-6 | #24 to 28      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

### ● Insulator



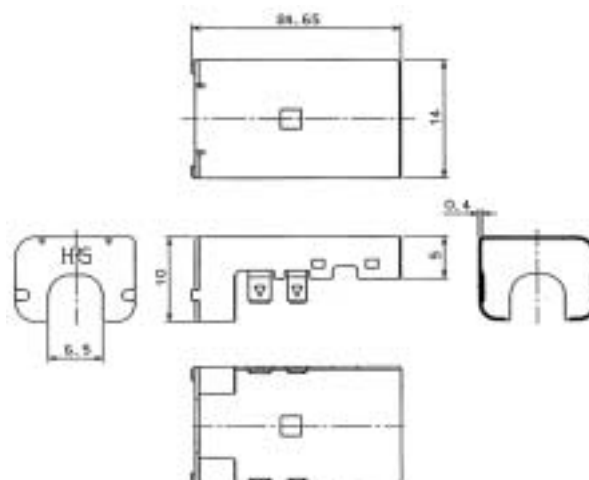
| Part Number   | CL No.     | Material |
|---------------|------------|----------|
| GT11-8DP-2.8C | 761-0009-2 | PBT      |

### ● Outer terminals



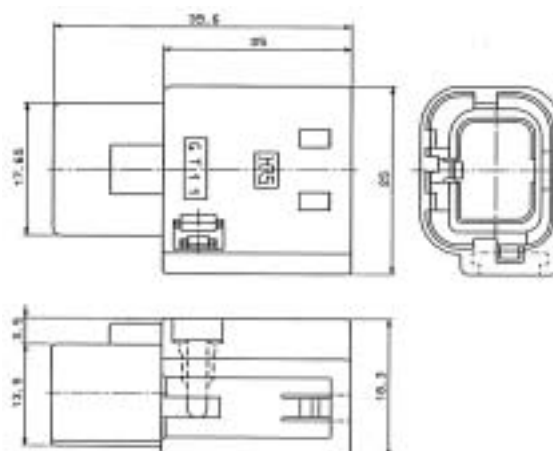
| Part Number | CL No.     | Material | Finish          |
|-------------|------------|----------|-----------------|
| GT11-8DP-5C | 761-0010-1 | Brass    | Phosphor bronze |

## ● Shield Plate



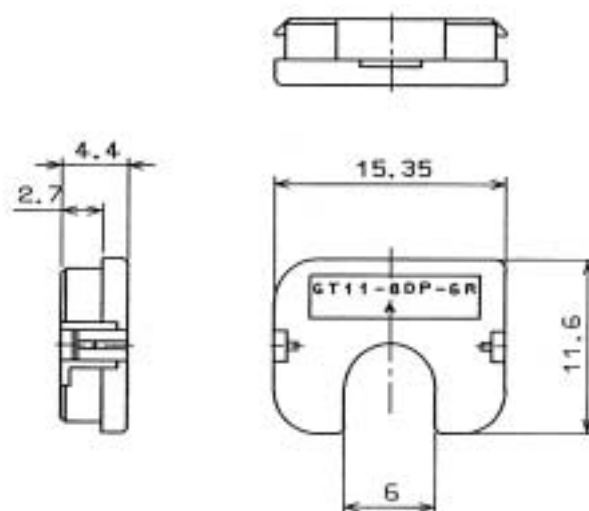
| Part Number | CL No.     | Material | Finish          |
|-------------|------------|----------|-----------------|
| GT11-8DP-SB | 761-0011-4 | Brass    | Phosphor bronze |

## ● Housing



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

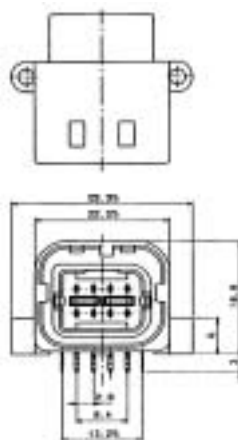
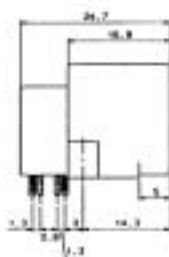
## ● Retainer (Used with GT11-8DS-HU)



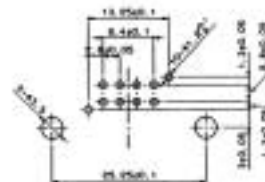
| Part Number | CL No.     | Material |
|-------------|------------|----------|
| GT11-8DP-6R | 761-0013-0 | PBT      |

\* Reserved for product expansion

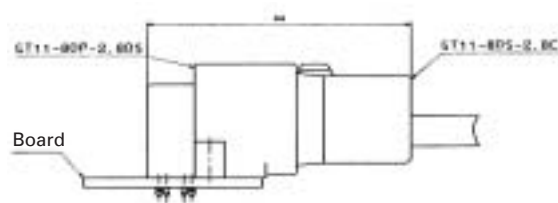
### ● Printed Circuit Board Type



### Recommended Board Mounting Pattern

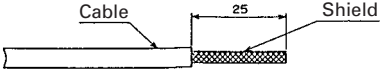
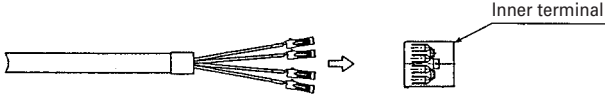
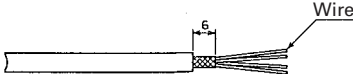
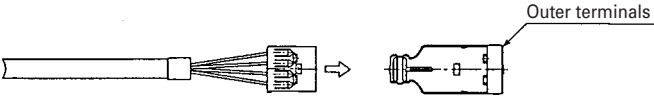
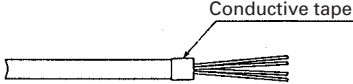
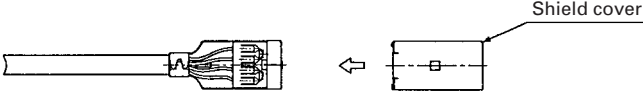
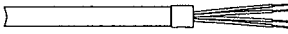
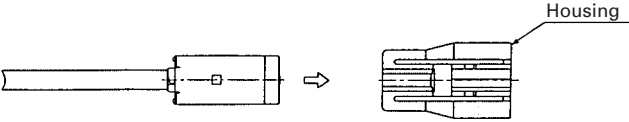
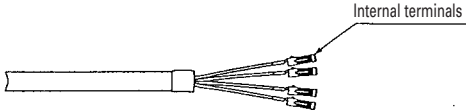
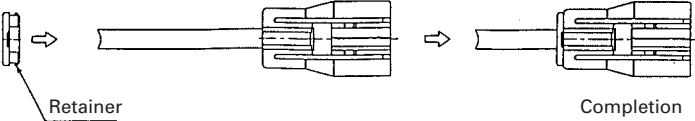


### Fully mated connector assemblies



| 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>The diagram shows a cross-section of a cable. A section of the outer shield is marked with a dimension of 25. The shield is being stripped back, exposing the inner wires.</p> | <p>⑥ Insert the inner terminals into the insulated case.</p>  <p>The diagram shows a bundle of wires with terminals being inserted into a small, rectangular insulated case.</p>       |
| <p>② Cut the shield and expose the wire.</p>  <p>The diagram shows the cable with the shield cut back. A dimension of 6 is indicated for the length of the exposed wire.</p>                                 | <p>⑦ Insert what was made in Step ⑥ into the Outer terminals.</p>  <p>The diagram shows the 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 the shield wrapped in a layer of conductive tape.</p>                                    | <p>⑧ Insert the caulking shield cover onto the Outer terminals.</p>  <p>The diagram shows a 'Shield cover' being inserted onto the assembly from Step 7.</p>                         |
| <p>④ Strip the wire.</p>  <p>The diagram shows the cable with the wire stripped back.</p>                                                                                                                  | <p>⑨ Insert what was made in Step ⑧ into the housing.</p>  <p>The diagram shows the assembly from Step 8 being inserted into a component labeled 'Housing'.</p>                      |
| <p>⑤ Crimp the internal terminals.</p>  <p>The diagram shows the internal terminals being crimped onto the wires.</p>                                                                                      | <p>⑩ Insert the retainer.</p>  <p>The diagram shows a 'Retainer' being inserted into the assembly, leading to the final 'Completion' state.</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 «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)