

# TL SEALED SERIES



## Features

The TL sealed connector series has a mechanism that detects terminal incomplete insertion by using a dedicated jig. To restrain from incomplete engagement, this series is adopted a lock mechanism with effective clear sound. These male connectors can be directly secured to a stay/bracket on the car body. (Note: Please contact our sales staff, if you have any questions regarding the dedicated jig.)

## 特長

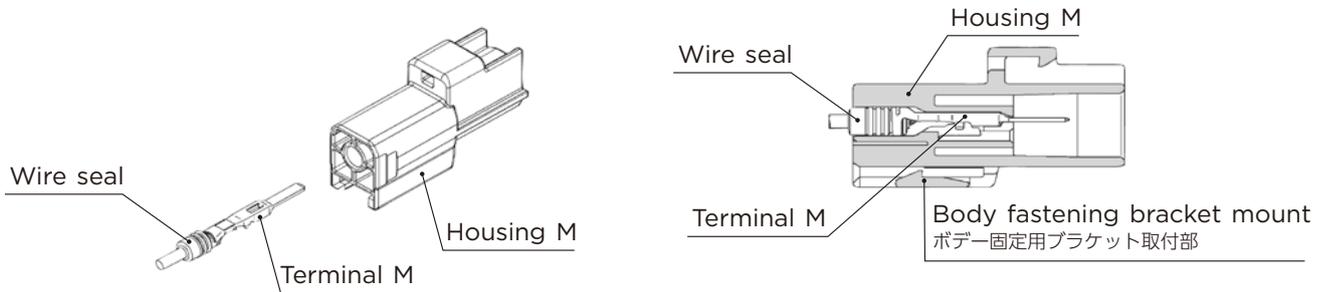
TL 防水シリーズは、専用治具にて端子半挿入を検出する構造を採用しております。コネクタ半嵌合抑制として、ロック音を向上させたロック構造を採用しております。オスコネクタは、ボデー側のブラケット（ステー）に直接固定することができます。

注意：専用の導通治具に関しては弊社営業担当にご確認下さい。

# TL SEALED SERIES for STANDARD

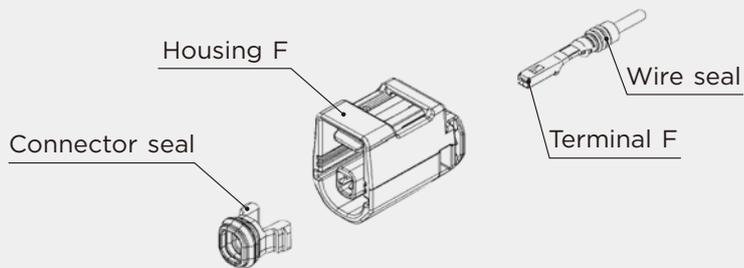
## 2.3mm (090)

### Structure

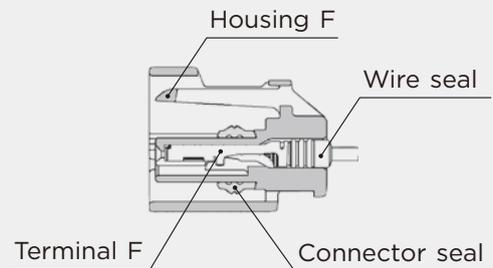


I-02

### Connector M



### Connector F



## 2.3mm (090)

(E)	(J)
Cable size	: 適用電線サイズ
Cable overall diameter	: 電線仕上り外径
Heat-resistant copper alloy	: 耐熱銅合金
Brass	: 黄銅
Surface treatment	: 表面処理
Gold-plated	: Auメッキ
Tin-plated	: Snメッキ

### Terminal (UNIT: mm)

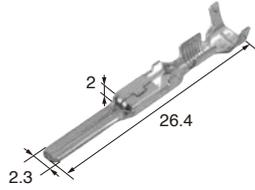
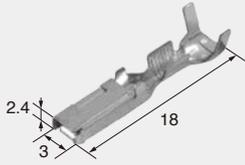
※ For terminal selection, please contact our sales staff.

※ターミナル選定にあたっては、必ず弊社営業担当にお問い合わせください。

**(SS)**Cable size (mm<sup>2</sup>) 0.35~0.5

Material Brass

Surface treatment Tin-plated

**M (8230-5707)****F (8240-0667)**Cable size (mm<sup>2</sup>) 0.3~0.5

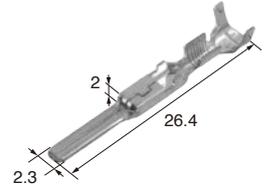
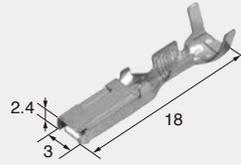
Material Heat-resistant copper alloy

Surface treatment Tin-plated

**(S)**Cable size (mm<sup>2</sup>) 0.3~0.75

Material Brass

Surface treatment Tin-plated

**M (8230-5706)****F (8240-0666)**Cable size (mm<sup>2</sup>) 0.3~0.75

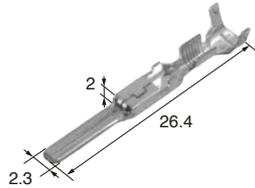
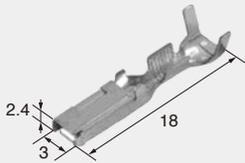
Material Heat-resistant copper alloy

Surface treatment Tin-plated

**(M)**Cable size (mm<sup>2</sup>) 0.75~1.25

Material Brass

Surface treatment Tin-plated

**M (8230-5705)****F (8240-0665)**Cable size (mm<sup>2</sup>) 0.75~1.25

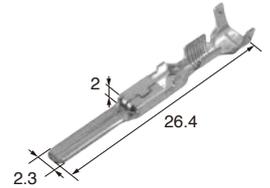
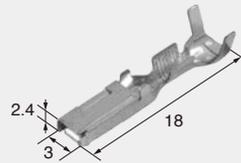
Material Heat-resistant copper alloy

Surface treatment Tin-plated

**(L)**Cable size (mm<sup>2</sup>) 2.0~2.5

Material Brass

Surface treatment Tin-plated

**M (8230-5704)****F (8240-0664)**Cable size (mm<sup>2</sup>) 2.0~2.5

Material Heat-resistant copper alloy

Surface treatment Tin-plated

**I-03**

TL SEALED SERIES

## 2.3mm (090)

### Wire seals (UNIT : mm)

- Male / Female Shared
- M、F 共用です。

I-04

(S)

(7165-1764)

Cable overall diameter(mm) Over than 1.3 mm below 1.75 mm

Material Silicone

Color Dark Gray



(L)

(7165-1766)

Cable overall diameter(mm) Over than 2.4 mm below 3.0 mm

Material Silicone

Color Reddish Brown (ベンガラ)



## 2.3mm (090)

### Dummy plugs (UNIT : mm)

Ref; 2.3mm Dummy plug detail

(7165-0193) K-07

- Male / Female Shared
- Dummy plugs are used to blind unused terminal holes.
- M、F 共用です。
- 不必要なターミナル穴を塞ぐために、ダミー栓を使用します。

(SS)

(7165-1763)

Cable overall diameter(mm) Over than 1.05 mm below 1.4 mm

Material Silicone

Color Dark Green



(M)

(7165-1765)

Cable overall diameter(mm) Over than 1.7 mm below 2.4 mm

Material Silicone

Color Dark Blue



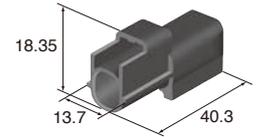
# 2.3mm (090)

## Housing (UNIT : mm)

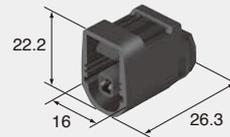
Ref: Terminal part No.	I-02
Ref: wire seal No.	I-04
Ref: Dummy plug No.	K-07
Material	PBT

### 1way

Color Black



### M (6181-6658)

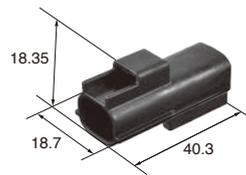


### F (6189-7214)

Color Black

### 2way

Color Black



### M (6181-7150)

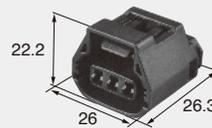
### F (6189-7189)



Color Black

### 3way

### F (6189-7960)



Color Black

### 4way

### F (6189-7188)



Color Black

### 5way

### F (6189-7190)



Color Black