

# **GS-LC Series**

## **LC CONNECTOR PLUG**

### **TECHNICAL SPECIFICATIONS**



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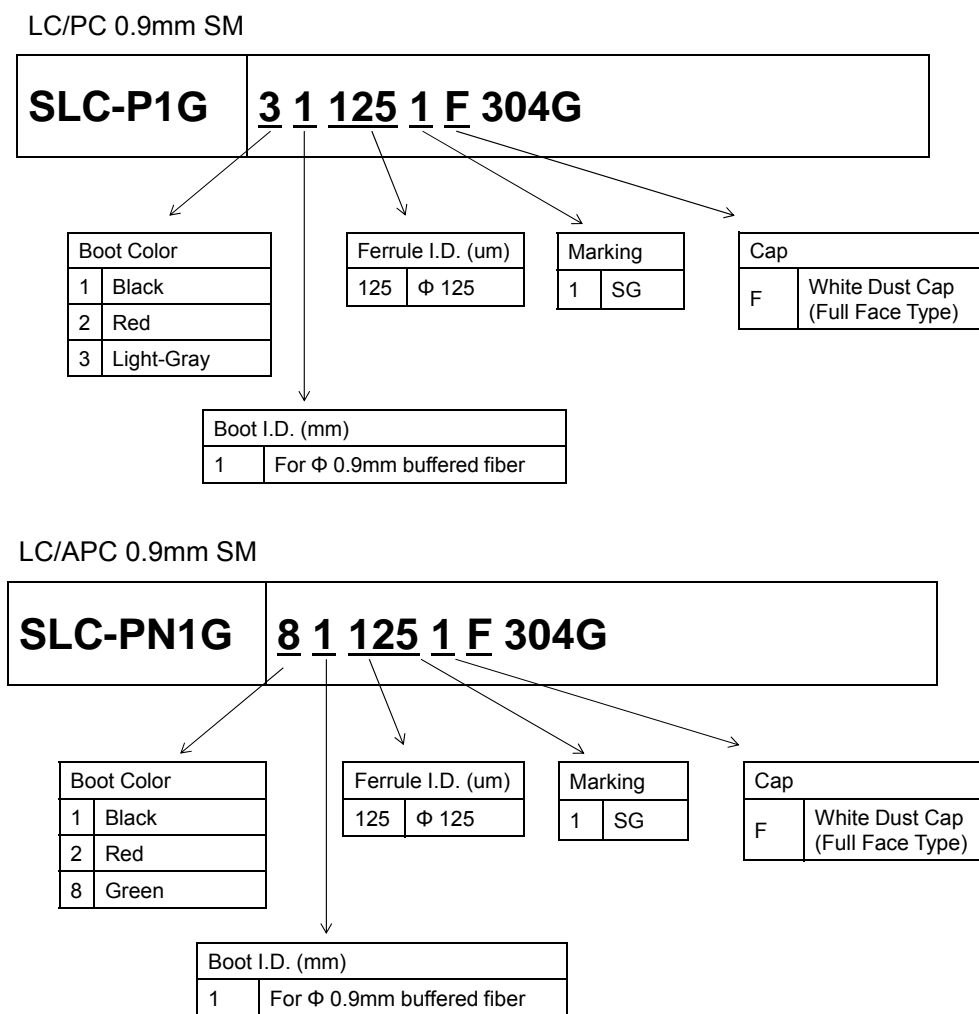
## 1 SCOPE

These specifications apply to the GS-LC series LC connector plug - for  $\varnothing$  2 mm cord - supplied by SEIKOH GIKEN Co., Ltd.

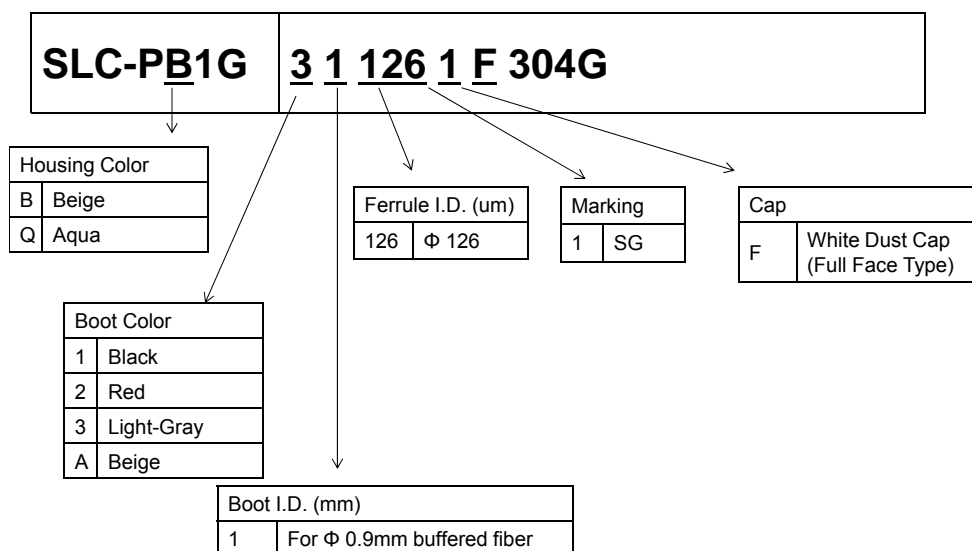
## 2 PART NUMBER

Part number of the connector plug is shown in Table 1.

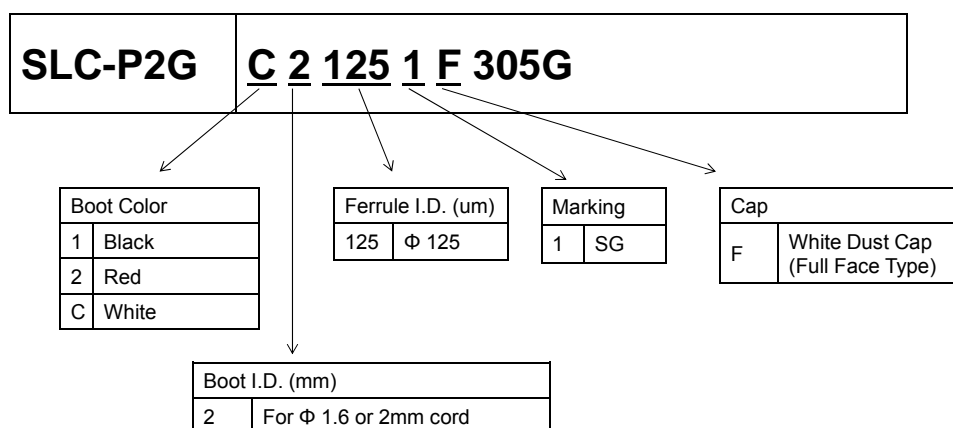
Table 1 Part Number



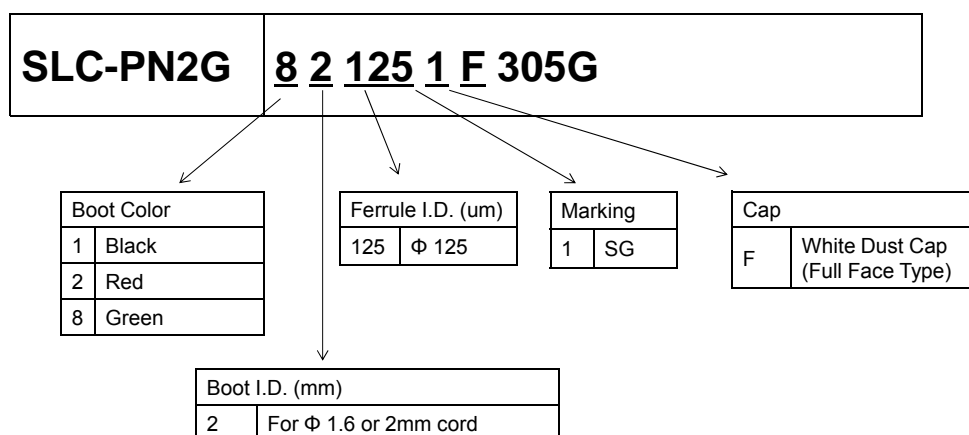
LC/PC 0.9mm MM

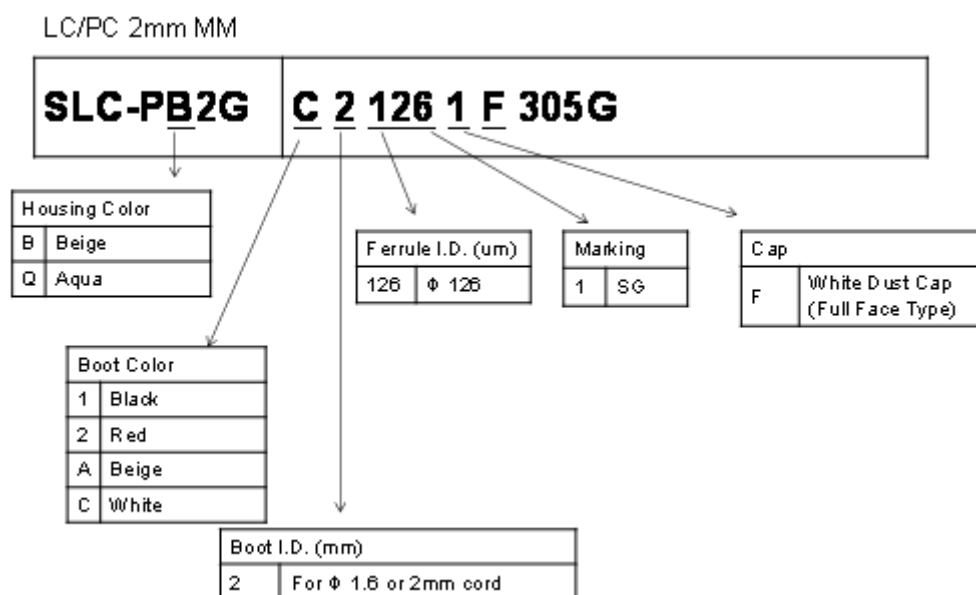


LC/PC 2mm SM



LC/APC 2mm SM





Please contact us for availability of other specifications.

### 3 GENERAL SPECIFICATIONS

#### 3.1 Parts and Materials

Parts and materials are shown in Table 2 and 3.

Table 2-1 Parts and Materials  $\phi 0.9$

Item	Part Name	Qty	Material	Notes
①	Main Body	1	See Table 2-2	See Table 2-2
②	Boot	1	TPE	Equivalent to Flammability UL94 V-0
⑨	Cap	1	PBT	Dust Cap White, Flammability UL94 V-0

Note: Item on Table 2-1 corresponds to the item reference number on Figure 1 to 4.

Table 2-2 Parts and Materials of Main Body  $\phi 0.9$

Item	Part Name	Qty	Material	Notes
③	Capillary	1	Zirconia	-
④	Flange	1	Brass	Nickel Plating
⑤	Tubing	1	PTFE	Clear, Flammability UL94 V-0
⑥	Plug Frame	1	PEI	Flammability UL94 V-0
⑦	Spring	1	Stainless Steel	-
⑧	Stopper	1	PBT-GF	Flammability UL94 V-0

Note: Item on Table 2-2 corresponds to the item reference number on Figure 2.

Table 3-1 Parts and Materials  $\phi 2$

Item	Part Name	Qty	Material	Notes
①	Main Body	1	See Table 3-2	See Table 3-2
②	Crimping Ring	1	Aluminum Alloy +Heart shrink tube	Heart shrink tube ; White Flammability VW-1
③	Boot	1	TPE	Equivalent to Flammability UL94 V-0
⑩	Cap	1	PBT	Dust Cap White, Flammability UL94 V-0

Note: Item on Table 3-1 corresponds to the item reference number on Figure 6 to 9.

Table 3-2 Parts and Materials of Main Body  $\phi 2$

Item	Part Name	Qty	Material	Notes
④	Capillary	1	Zirconia	-
⑤	Flange	1	Brass	Nickel Plating
⑥	Tubing	1	PTFE	Clear, Flammability UL94 V-0
⑦	Plug Frame	1	PEI	Flammability UL94 V-0
⑧	Spring	1	Stainless Steel	-
⑨	Stopper	1	PEI + Aluminum	Flammability UL94 V-0

Note: Item on Table 3-2 corresponds to the item reference number on Figure 6.

### 3.2 Physical Dimensions

Figure 1 shows the LC-0.9 series connector plug.

Figure 2 shows the main body.

Figure 3 to 4 show the dimensions of the parts.

Figure 5 shows the LC-2.0 series connector plug.

Figure 6 shows the main body.

Figure 7 to 9 show the dimensions of the parts.

- In accordance with IEC 61754-20 Type LC connector family.
- In accordance with JIS C 5964-20 Type LC connector family.



### 3.3 General Tolerances

Permissible deviation in dimensions without tolerance indication is in accordance with ISO 2768-m (JIS B 0405-m), as shown in Table 3.

Table 3 General Tolerance (ISO 2768-m)

Basic size step [mm]		Permissible deviation [mm]
Over	Under	
0.5	3	$\pm 0.1$
3	6	$\pm 0.1$
6	30	$\pm 0.2$
30	120	$\pm 0.3$

### 3.4 Appearance

There should be no burr, peeling of plating or scratches that affect the product.

## 4 PACKING

The product is packed to prevent damage during shipment.

## 5 IDENTIFICATION

Identification label should indicate the part number and the lot number of the product(s) and should be permanently attached to the packing bag.

## 6 HANDLING AND CARE

### 6.1 Conditions of Storage

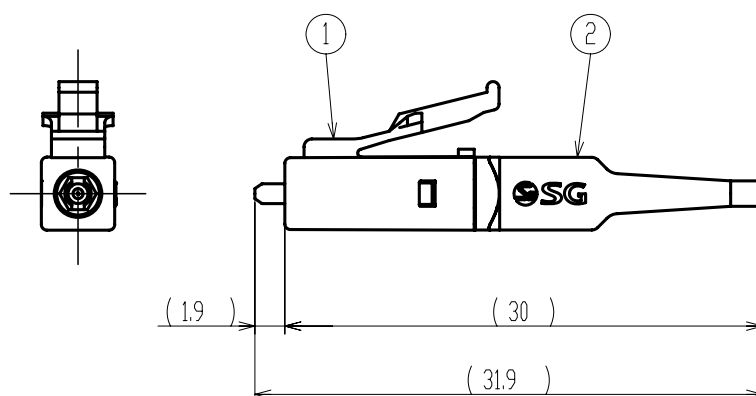
For storage of the product, keep in the packing bag and keep away from corrosive gas, high-temperature and humidity, extreme-low temperature and direct sunlight.

### 6.2 Precautions for Use

Contamination, oil, sweat and others debris on the ferrule end face may influence the performance of the product. If contamination is on the ferrule end face, wipe the end face with the end face cleaner.

### 6.3 Disposal

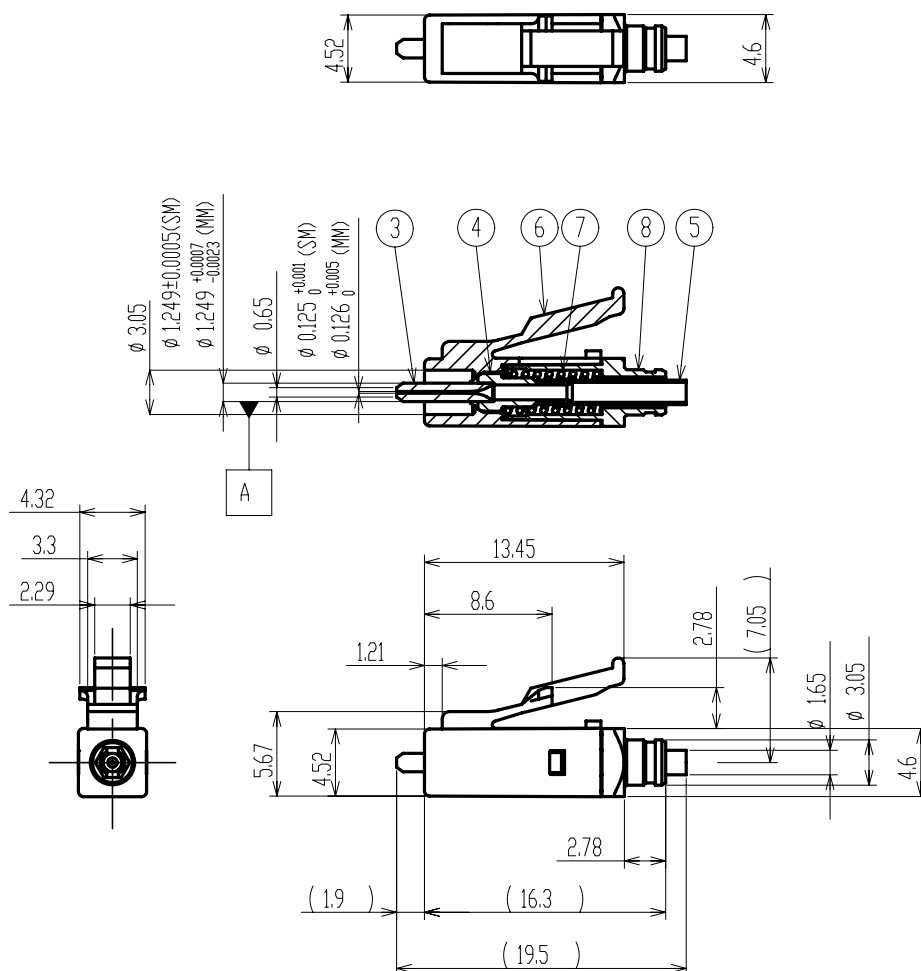
When discarding this product, please follow the regulations of your own country.



- Notes: 1 This drawing shows the tentatively assembled condition.  
On practical shipment of LC-0.9 connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.

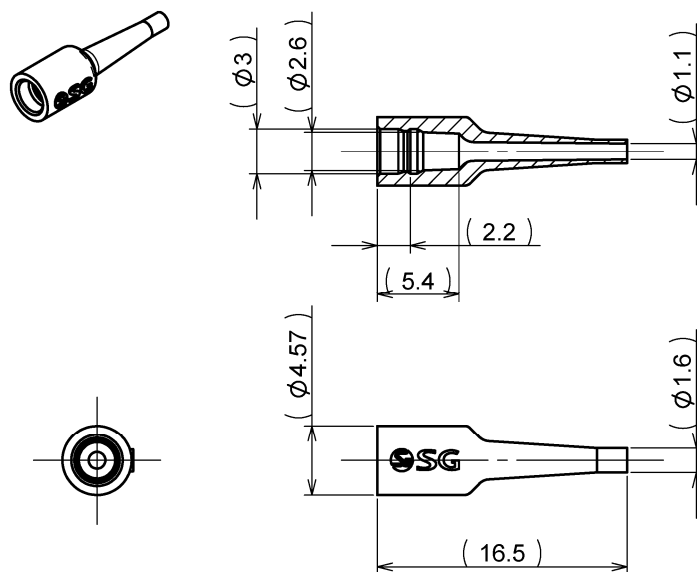
Unit: mm

Figure 1 LC-0.9 Series Connector Plug



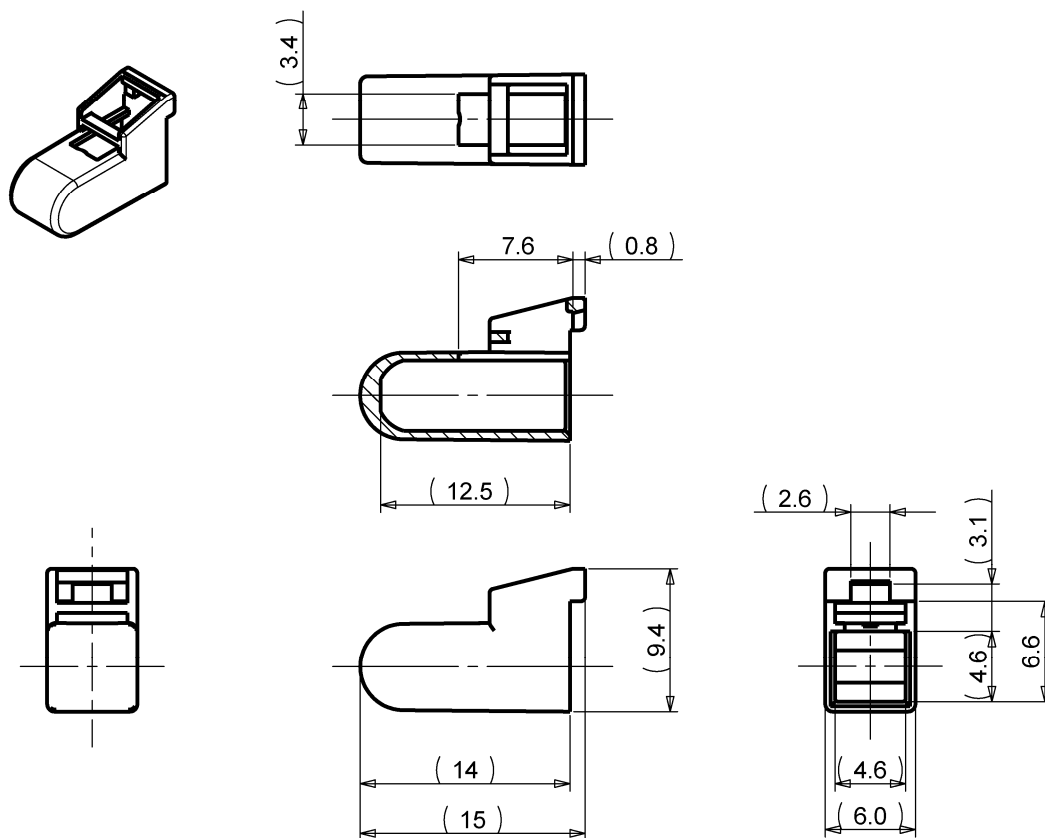
Unit: mm

Figure 2 ①Main Body



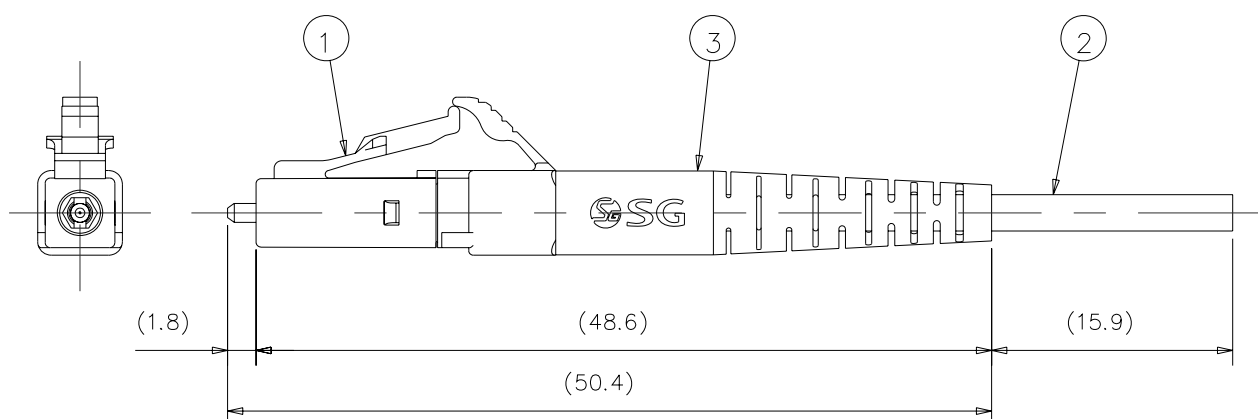
Unit: mm

Figure 3 ②Boot



Unit: mm

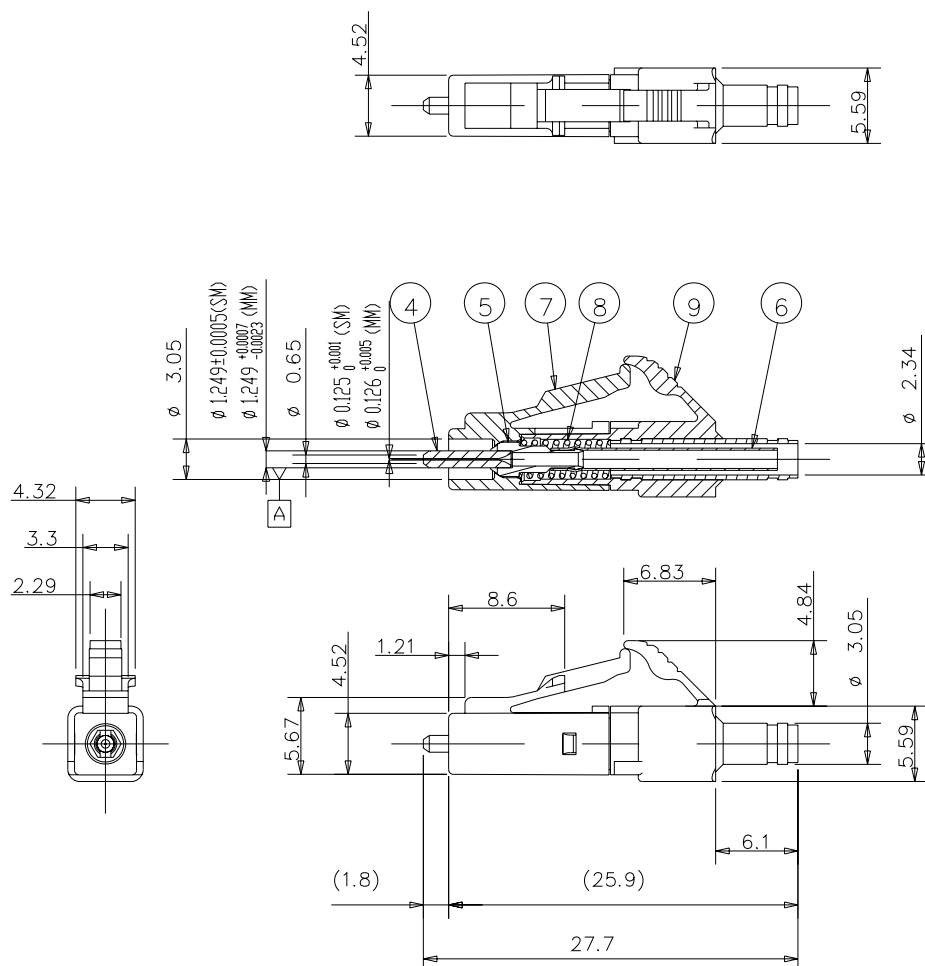
Figure 4 ⑨Cap (Dust Cap)



- Notes: 1 This drawing shows the tentatively assembled condition.  
On practical shipment of LC-2.0 connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.

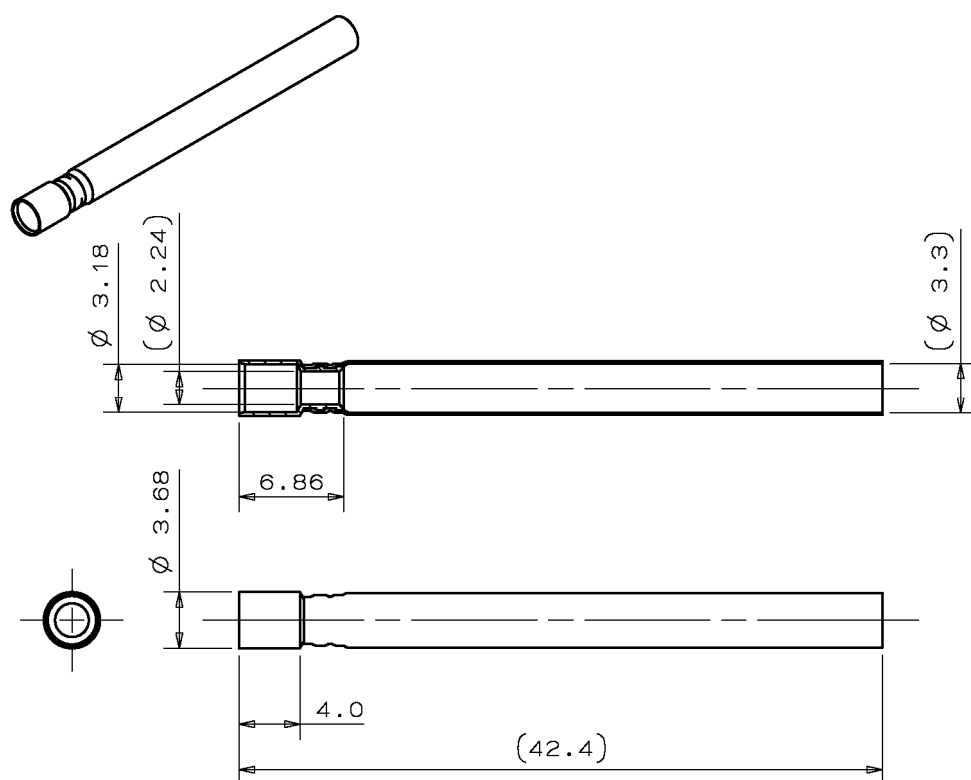
Unit: mm

Figure 5 LC-2.0 Series Connector Plug



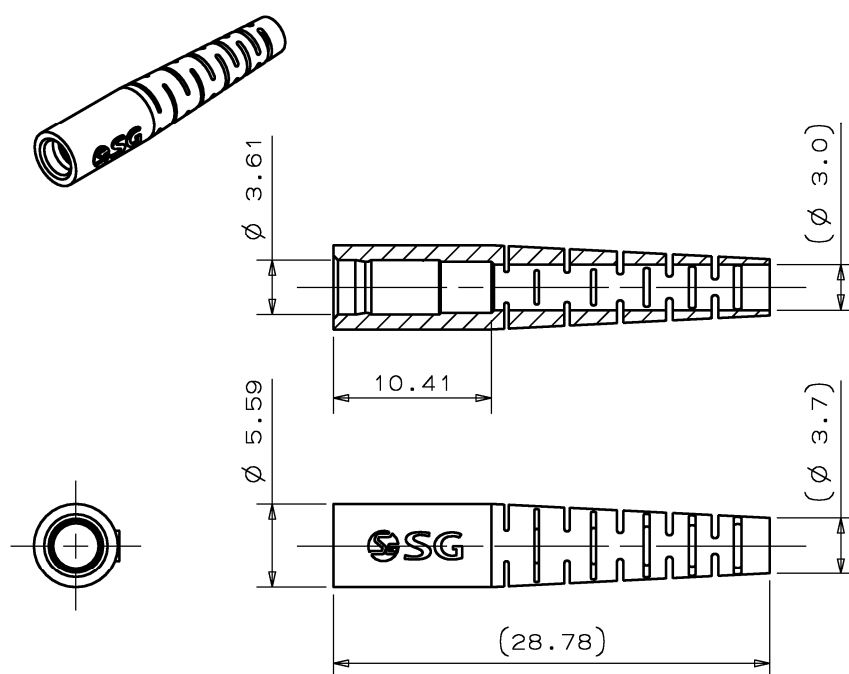
Unit: mm

Figure 6 ①Main Body



Unit: mm

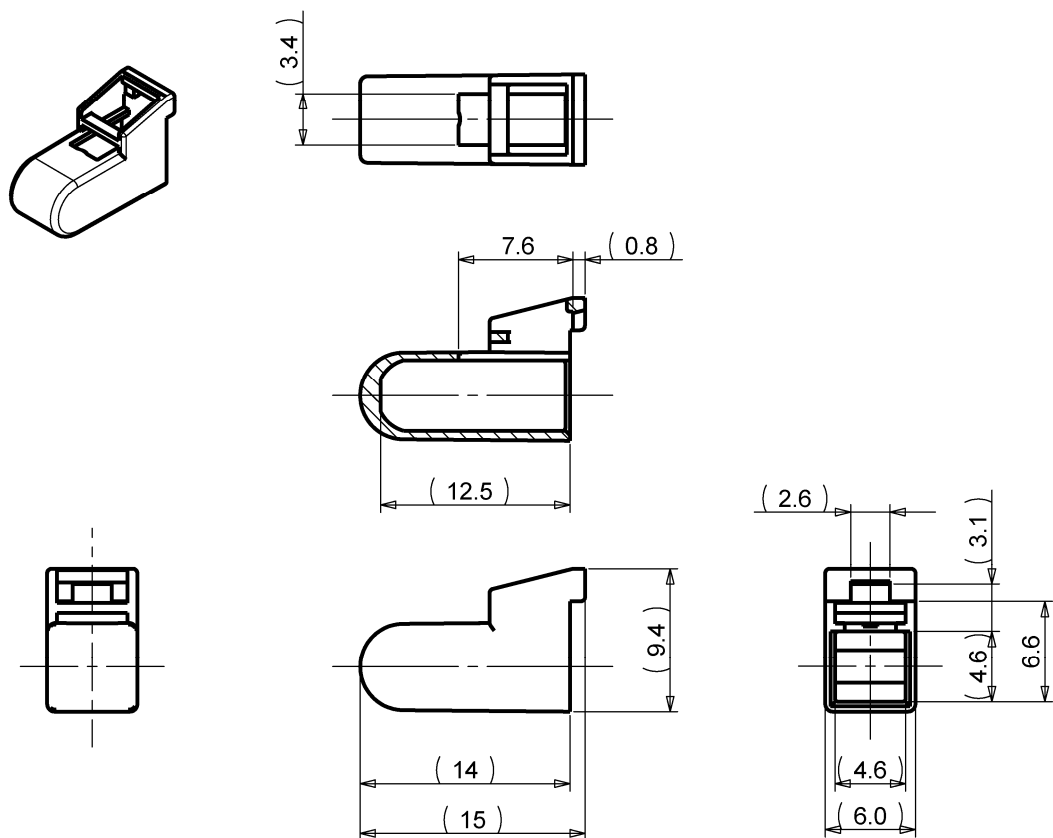
Figure 7 ②Crimping Ring



Unit: mm

Figure 8 ③Boot





Unit: mm

Figure 9 ⑩Cap (Dust Cap)