

SUP-1 Series
Single-Mode FC/SC
UNIVERSAL CONNECTOR PLUG
- Easy-assembly type -
TECHNICAL SPECIFICATIONS

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1. PROVISION

1.1 Application Limit

These specifications apply to the SUP-1 Single-Mode FC/SC UNIVERSAL CONNECTOR PLUG (Easy-assemble type) supplied by **SII**.

2. PARTS NUMBER

Parts number of the connector is shown in Table 1.

Table 1 Parts number

MODEL Number		TYPE Number																	
SUP-1		F	1	2	5	3	7	1	4	1	0								
Housing type										(Required) 1 0									
F	FC																		
S	SC																		
Ferrule hole Dia. [μm]										Package									
125 ,126																			
Hood Color																			
0	Without Hood							1											
1	Black							2											
3	White							3											
5	Blue							4	Bulk										
										Cap									
Hood Inner Dia. [mm]																			
0	Without Hood and Crimping ring									0	Without Cap								
5	φ0.9 (Bend Proof)									1	Black (FC)								
6	φ2.0 (Bend Proof)									2									
7	φ3.0 (Bend Proof)									4	Blue (SC)								

3. GENERAL SPECIFICATIONS

3.1 Parts and Materials

Parts and the materials are shown in Table 2 to 5.

Table 2 Parts and materials (for FC type)

No.	Part Name	Q'ty	Material	Notes
1	Termini	1	See Table 4	Sub-assembled
2	Housing	1	See Table 5	Sub-assembled
12	Crimping ring	(1)	Aluminum alloy	for $\phi 3.0\text{mm}$ cable
13	Crimping ring	(1)	Aluminum alloy	for $\phi 2.0\text{mm}$ cable
14	Hood ($\phi 3.0\text{mm}$)	(1)	Thermal plastic elastomer +Aluminum alloy	UL94V-0 , Hood color shows Table 1
15	Hood ($\phi 2.0\text{mm}$)	(1)	Thermal plastic elastomer +Aluminum alloy	UL94V-0 , Hood color shows Table 1
16	Hood ($\phi 0.9\text{mm}$)	(1)	Thermal plastic elastomer	UL94V-0 , Hood color shows Table 1
17	Cap	(1)	PVC	Black
--	--	--	--	--

Table 3 Parts and materials (for SC type)

No.	Part Name	Q'ty	Material	Notes
1	Termini	1	See Table 4	Sub-assembled
5	Grip	1	Plastics	UL94V-0 , Blue
6	Plug frame	1	Plastics	UL94V-0 , White
12	Crimping ring	(1)	Aluminum alloy	for $\phi 3.0\text{mm}$ cable
13	Crimping ring	(1)	Aluminum alloy	for $\phi 2.0\text{mm}$ cable
14	Hood ($\phi 3.0\text{mm}$)	(1)	Thermal plastic elastomer +Aluminum alloy	UL94V-0 , Hood color shows Table 1
15	Hood ($\phi 2.0\text{mm}$)	(1)	Thermal plastic elastomer +Aluminum alloy	UL94V-0 , Hood color shows Table 1
16	Hood ($\phi 0.9\text{mm}$)	(1)	Thermal plastic elastomer	UL94V-0 , Hood color shows Table 1
18	Cap	(1)	PVC	Blue

Table 4 Parts and materials (Termini)

No.	Part Name	Q'ty	Material	Notes
7	Ferrule	1	Zirconia ceramics	--
8	Flange	1	Plastics	UL94V-0 , Black
9	Spring	1	Stainless steel	--
10	Stopper	1	Plastics	UL94V-0 , Black
11	Epoxy injecting jig	1	Plastics	White

Table 5 Parts and materials (Housing for FC type)

No.	Part Name	Q'ty	Material	Notes
3	Frame	1	Plastics	UL94V-0 , Black
4	Coupling nut	1	Plastics	UL94V-0 , Black

3.2 Physical Dimensions

Figure 1 shows the assembled state of SUP-1 (FC type).

Figure 2 shows the assembled state of SUP-1 (SC type).

Figure 3 shows the FC plug Mainbody.

Figure 4 shows the SC plug Mainbody.

Figure 5 to 15 show the part dimension.

3.3 General Tolerance

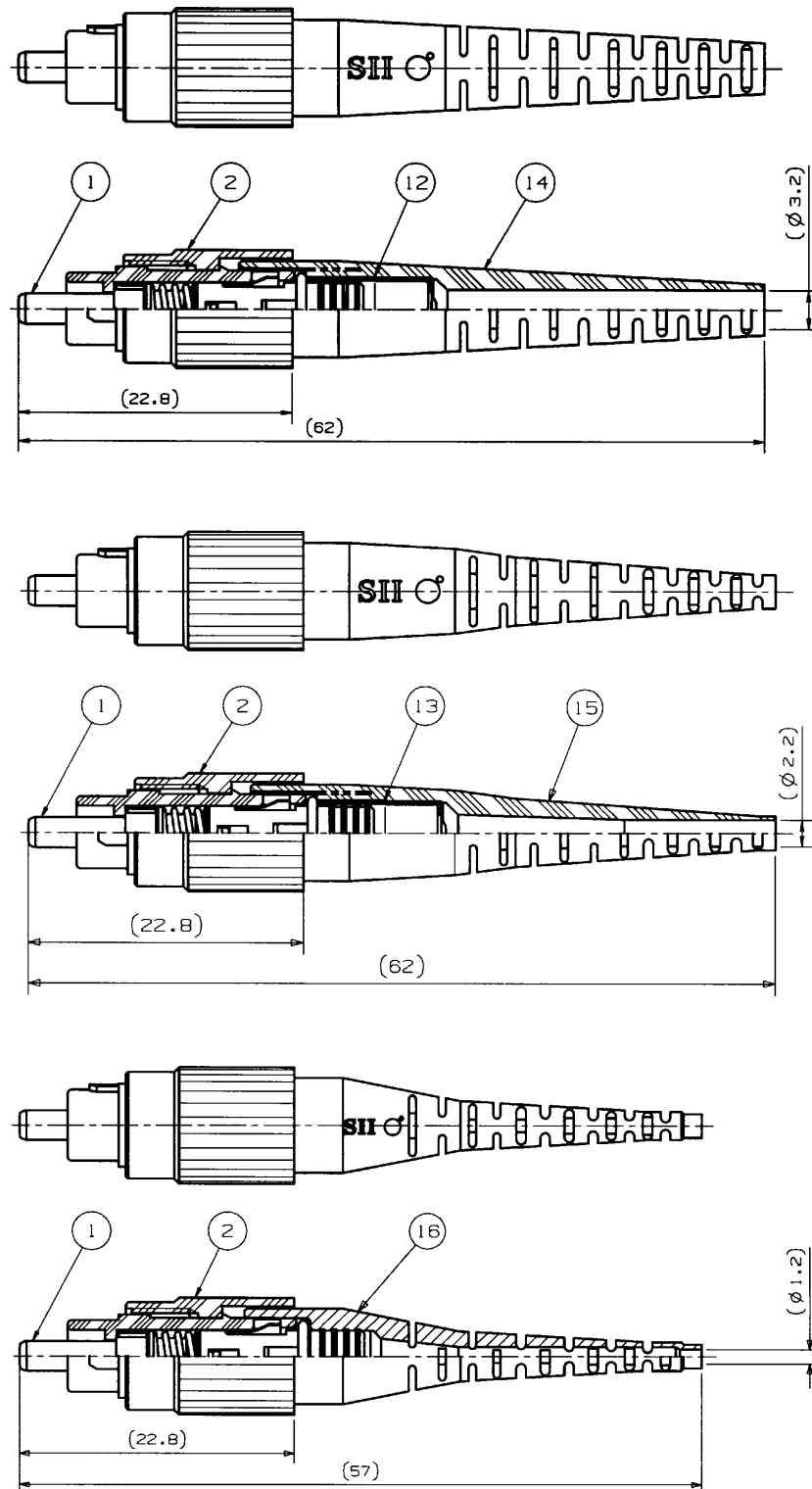
Permissible deviation in dimensions without tolerance indication is in accordance with JIS B 0405 class m, as shown in Table 6.

Table 6 General tolerance (JIS B 0405 class m)

Basic size step (mm)		Permissible deviation (mm)
Over	Under	
0.5	3	± 0.1
3	6	± 0.1
6	30	± 0.2
30	120	± 0.3

4. PACKING

The product is packed to prevent damage during shipment.

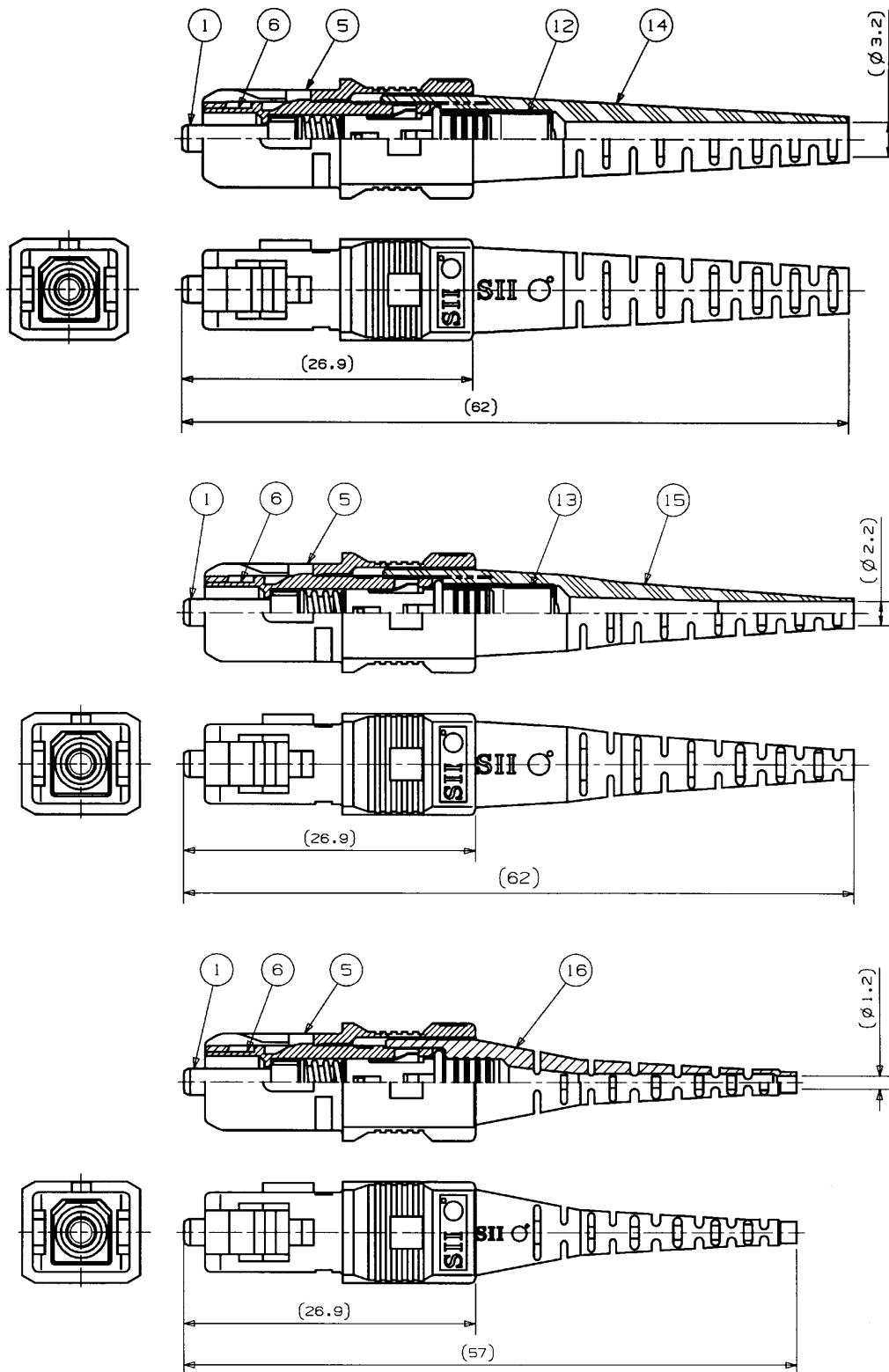


note.1: This drawing shows the tentatively assembled condition. In practice, the connector plug is not assembled like this.

note.2: This drawing does not include Caps.

Unit: mm

Figure 1 SUP-1 CONNECTOR (FC type)

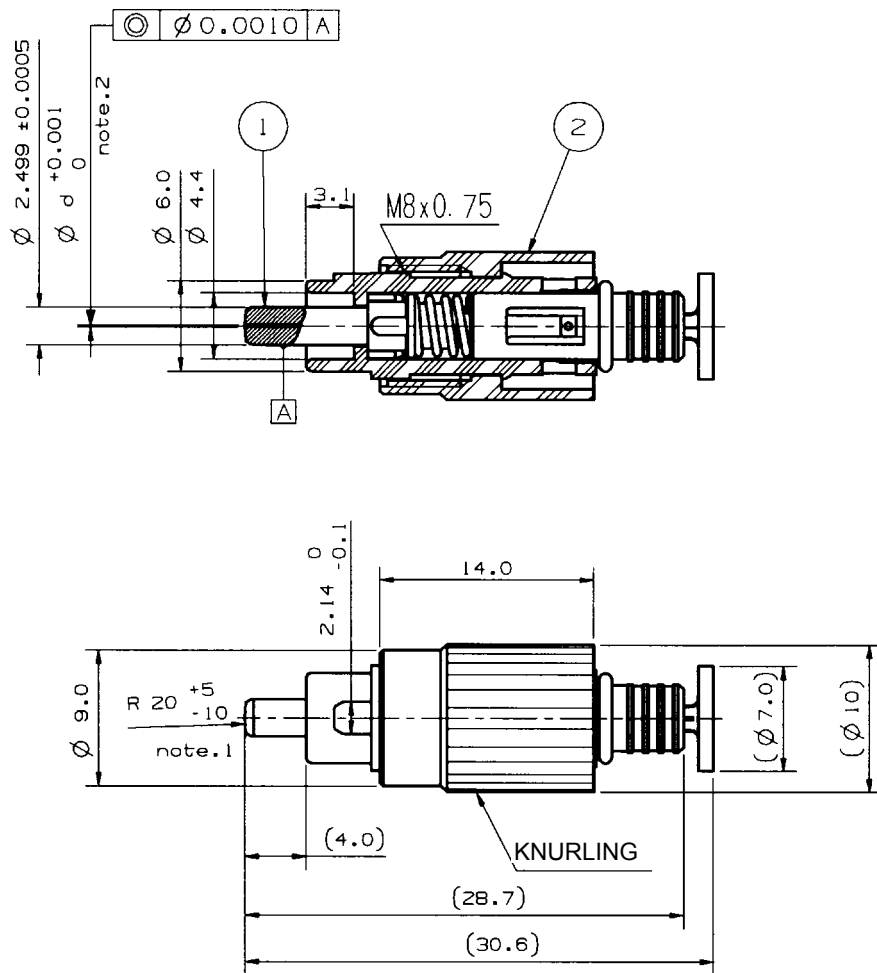


note.1: This drawing shows the tentatively assembled condition. In practice, the connector plug is not assembled like this.

note.2: This drawing does not include Caps.

Unit: mm

Figure 2 SUP-1 CONNECTOR (SC type)

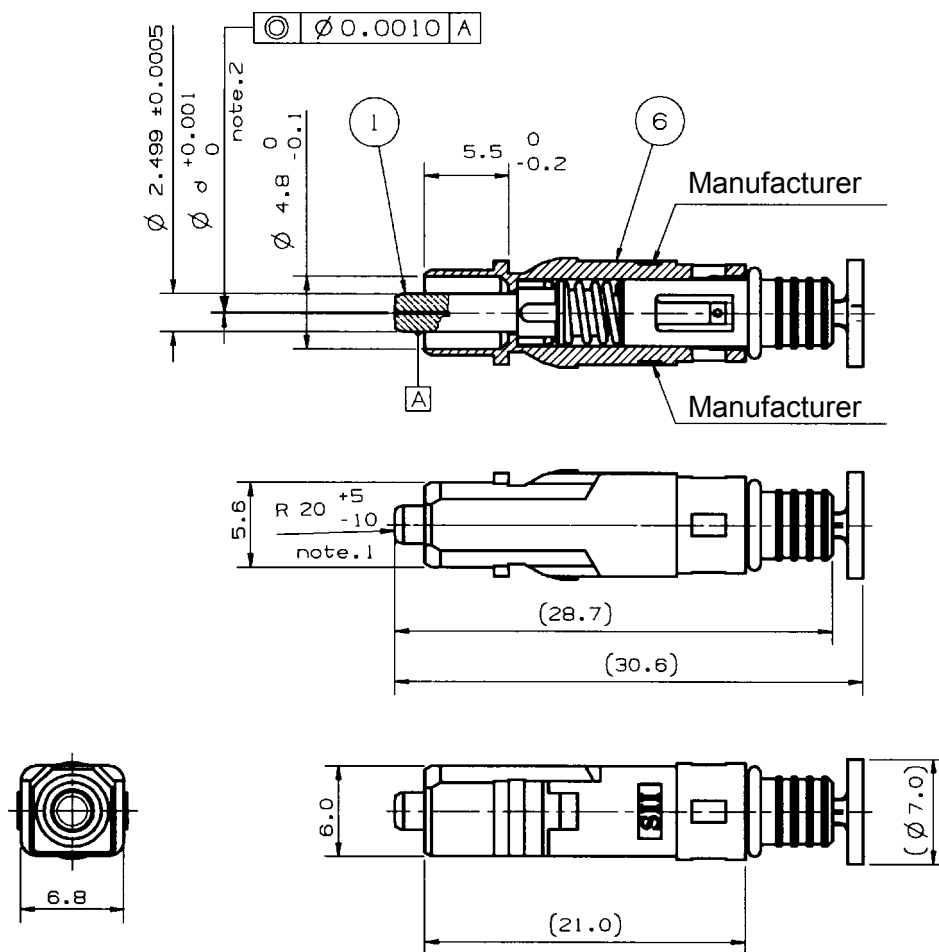


note.1: End curve offset = 0.05mm or less.

note.2: Ferrule hole diameter is shown in Table 1.

Unit: mm

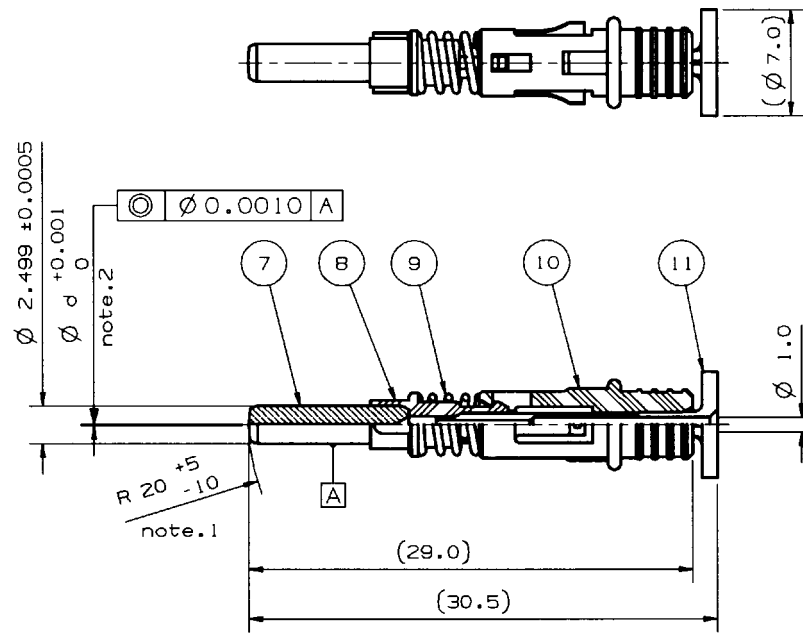
Figure 3 FC plug mainbody



note.1: End curve offset = 0.05mm or less.
note.2: Ferrule hole diameter is shown in Table 1.

Unit: mm

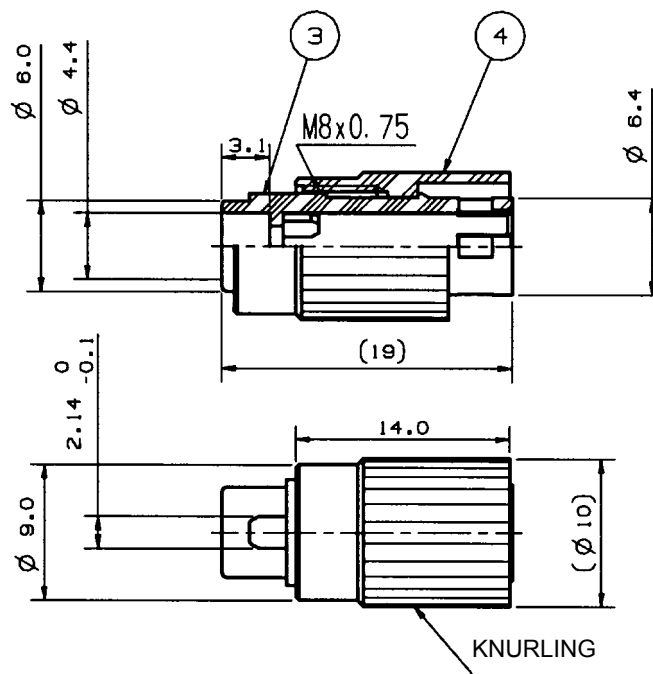
Figure 4 SC plug mainbody



note.1: End curve offset = 0.05mm or less.
 note.2: Ferrule hole diameter is shown in Table 1.

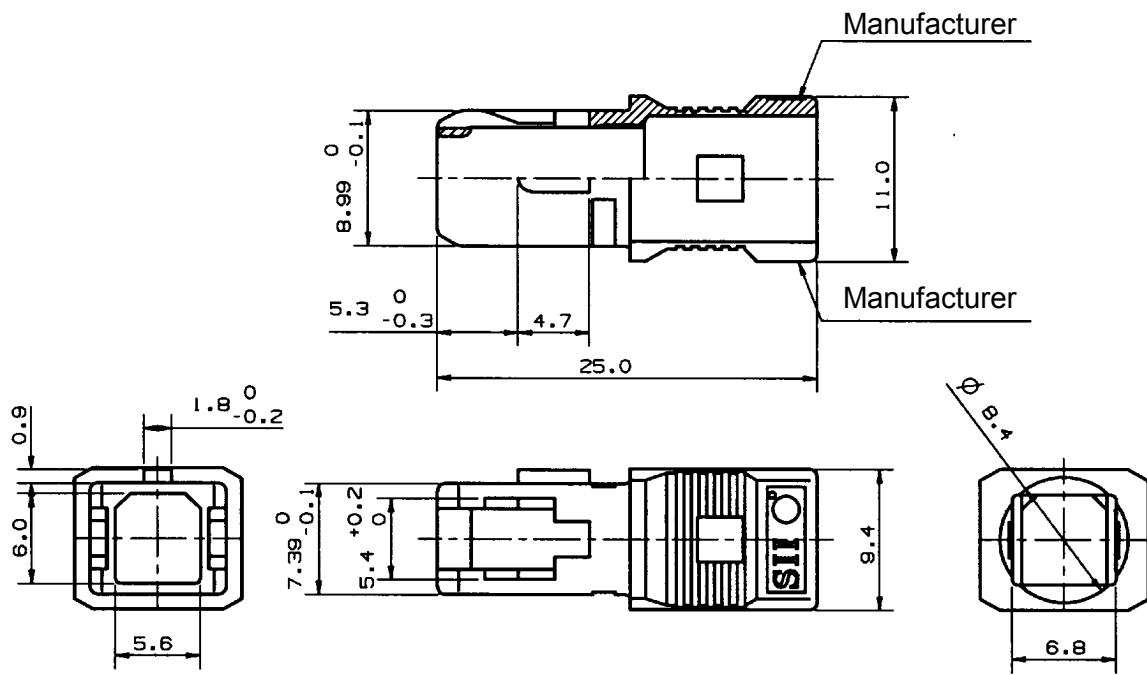
Unit: mm

Figure 5 #1 Termini



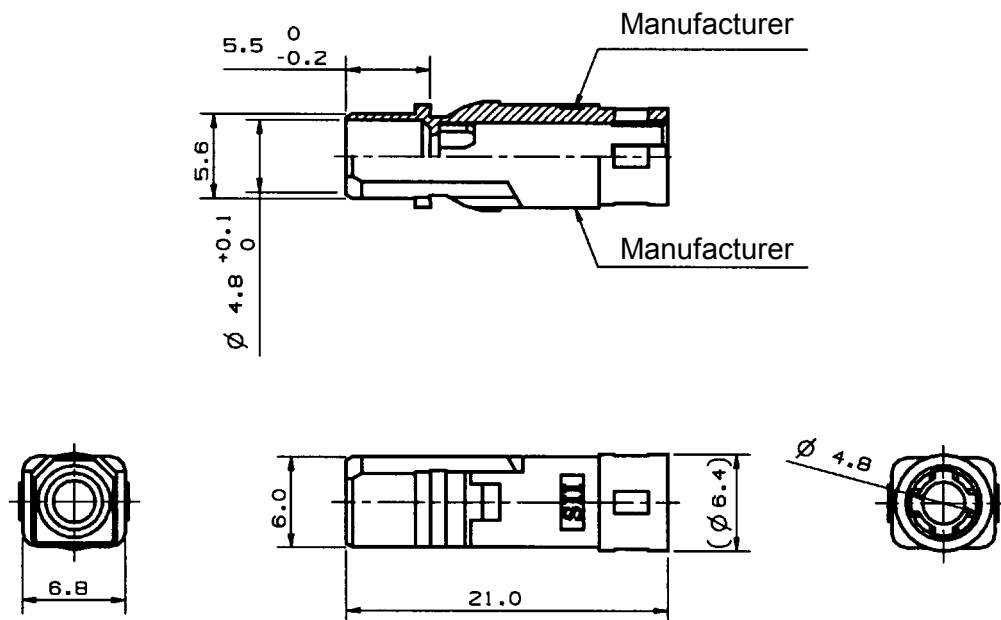
Unit: mm

Figure 6 #2 Housing (Sub-assembled / FC type)



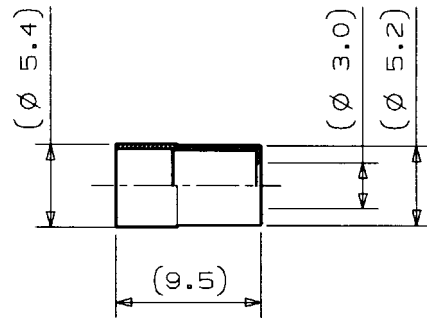
Unit: mm

Figure 7 #5 Grip



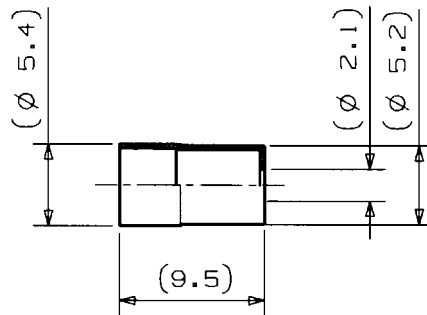
Unit: mm

Figure 8 #6 Plug frame



Unit: mm

Figure 9 #12 Crimping ring (for $\phi 3.0\text{mm}$)



Unit: mm

Figure 10 #13 Crimping ring (for $\phi 2.0\text{mm}$)

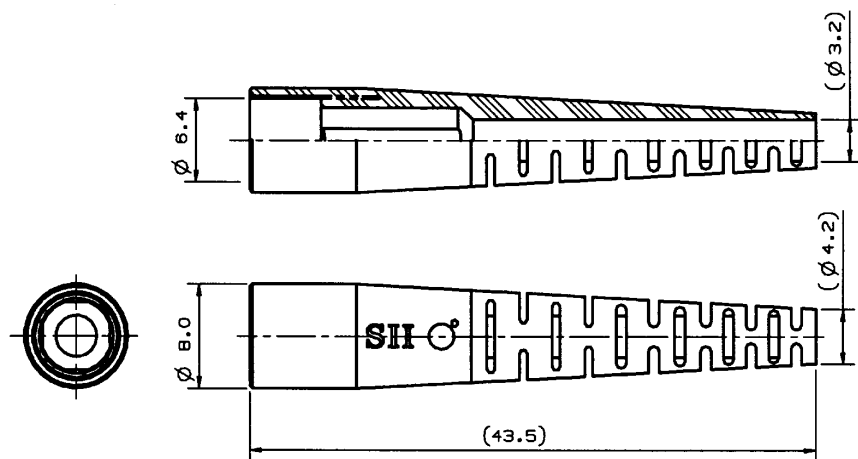


Figure 11 #14 Hood (for $\phi 3.0\text{mm}$)

Unit: mm

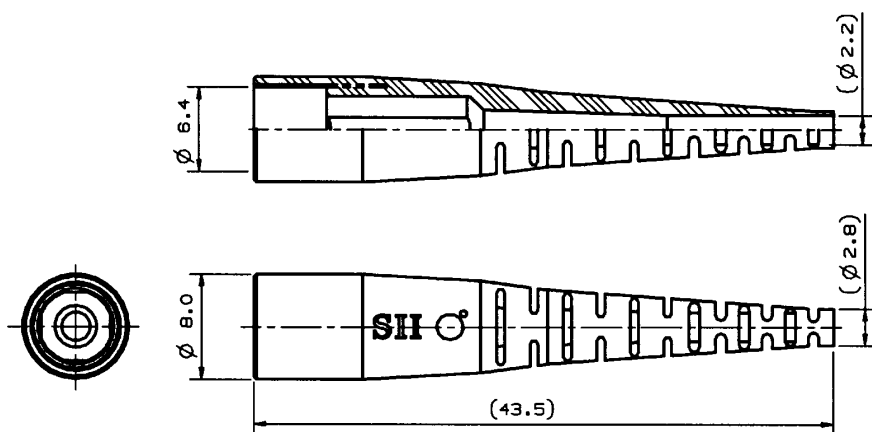


Figure 12 #15 Hood (for $\phi 2.0\text{mm}$)

Unit: mm

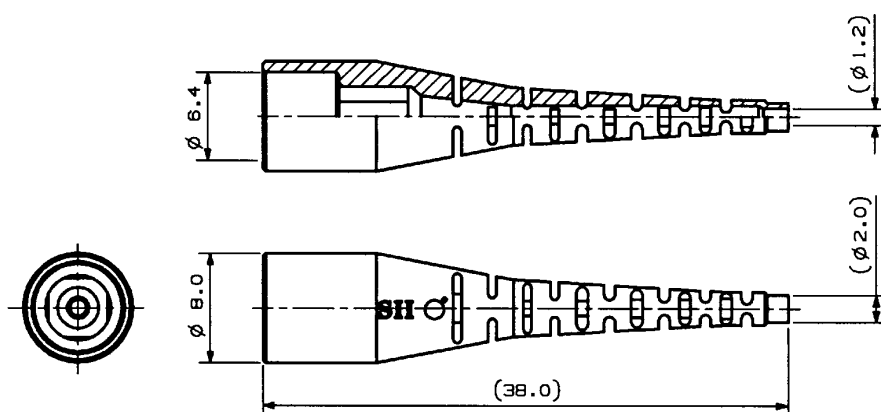
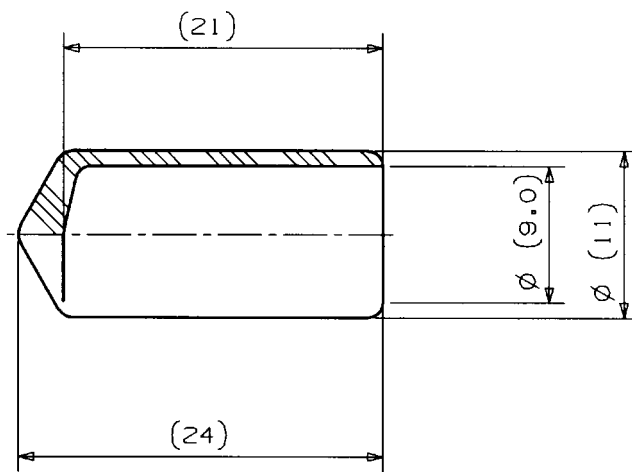


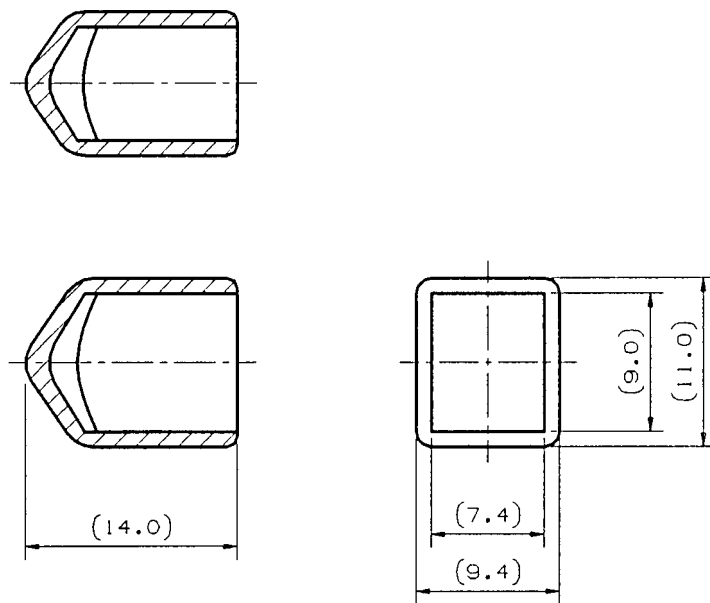
Figure 13 #16 Hood (for $\phi 0.9\text{mm}$)

Unit: mm



Unit: mm

Figure 14 #17 Cap (for FC type)



Unit: mm

Figure 15 #18 Cap (for SC type)