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SAP-8 Series
Single-Mode
FC CONNECTOR PLUG

TECHNICAL SPECIFICATIONS

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TABLE OF CONTENTS

Table

Figure

1. PROVISION

1.1 Application Limit

These specifications apply to the SAP-8 Single-Mode FC CONNECTOR PLUG supplied by **SII**.

2. PARTS NUMBER

Parts number of the connector is shown in Table 1.

Table 1 Parts number

MODEL Number	TYPE Number									
SAP-8	3	3	1	2	5	1	A	3	D	0

Hood color	
0	without hood
1	Black
3	White
5	Blue

Hood Inner Dia	
0	without hood
1	0.9mm (non flamable)
3	3.0mm (Plastic)
6	2.0mm (Plastic)
9	0.9mm (Plastic)

Ferrule Inner Dia
S5 to S6 (0.125 to 0.126mm)

Marking of Hood		Applicable Hood (mm)
0	without	0.9mm (non flamable)
1	**SII** Marking	0.9 to 3.0mm (Plastic)

(Requied)	
3 0 0	machining frame type key-ring un-installed Bulk packing
3 D 0	Molding frame type Bulk packing
7 0 0	machining frame type key-ring pre-installed Bulk packing

Cap	
1	Black PVC
A	Black Ferrule Cap

3. GENERAL SPECIFICATIONS

3.1 Parts and Materials

Parts and the materials are shown in Table 2 to 3.

Table 2. Parts and materials

No.	Part Name	Q'ty	Material	Notes
1-1	Mainbody	1	See Table 3	Machining frame type, (#6,7,8-1,9,10,11,12-1, Sub-assembled)
1-2			See Table 3	Molding frame type, (#6,7,8-2,10,11,12-2, Sub-assembled)
2	Key-ring	(1)	Beryllium copper	for machining frame type
3-1	Crimping ring	(1)	Aluminum alloy	for ϕ3.0mm cable
3-2			Aluminum alloy	for ϕ2.0mm cable
4-1	Hood	(1)	Thermal plastic elastomer	ϕ3.0mm, UL94V-0
4-2			Thermal plastic elastomer	ϕ2.0mm, UL94V-0
4-3			Thermal plastic elastomer	ϕ0.9mm, UL94V-0
4-4			Synthetic rubber	ϕ0.9mm, UL94V-0
5-1	Cap	1	PP	Black
5-2			PVC	Black

Table 3. Parts and materials (Mainbody)

No.	Part Name	Q'ty	Material	Notes
6	Ferrule	1	Zirconia	– –
7	Flange	1	Brass	Nickel plating
8-1	Frame	1	Stainless Steel	Machining type
8-2			Zinc Die-casting	Molding type , Nickel Plating
9	Washer	(1)	Phosphor bronze	for machining frame type , Nickel Plating
10	Spring	1	Stainless steel	– –
11	Coupling nut	1	Brass	Nickel plating
12-1	Stopper	1	Brass	for machining frame type , Nickel Plating
12-2			Brass	for molding frame type , Nickel Plating

3.2 Physical Dimensions

Figure 1 to 2 shows the assembled state of SAP-8.
Figure 3 to 4 shows the Mainbody.
Figure 5 to 13 show the part dimension.

- In accordance with IEC 61754-13 Fibre optic connector interface -
  Part 13 : Type FC-PC connector family.

3.3 General Tolerance

Permissible deviation in dimensions without tolerance indication is in accordance with JIS B 0405 class m, as shown in Table 4.

Table 4 General tolerance (JIS B 0405 class m)

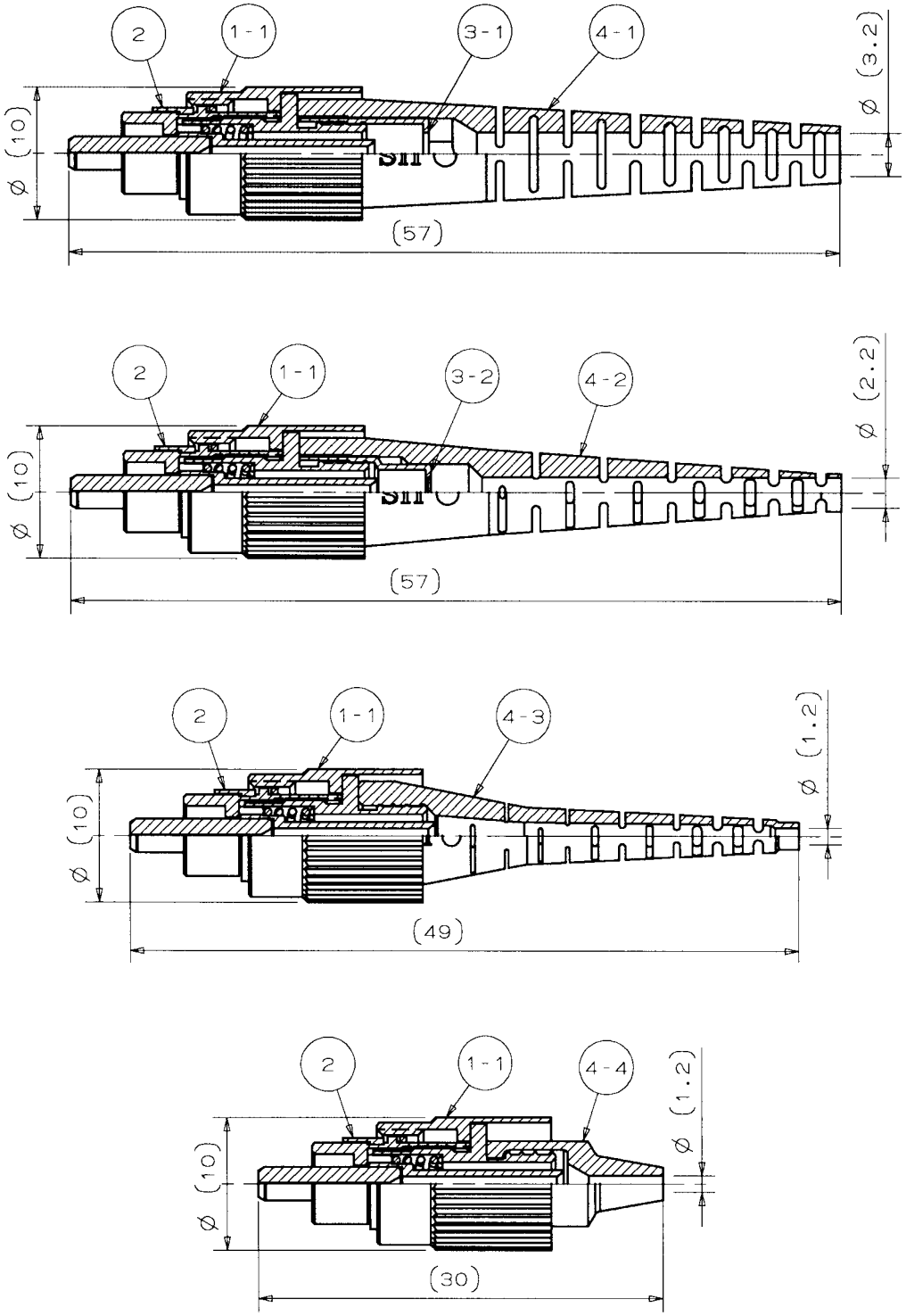
Basic size step [mm]		Permissible deviation [mm]
Over	Under	
0.5	3	±0.1
3	6	±0.1
6	30	±0.2
30	120	±0.3

4. PACKING

The product is packed to prevent damage during shipment.

5. NOTE

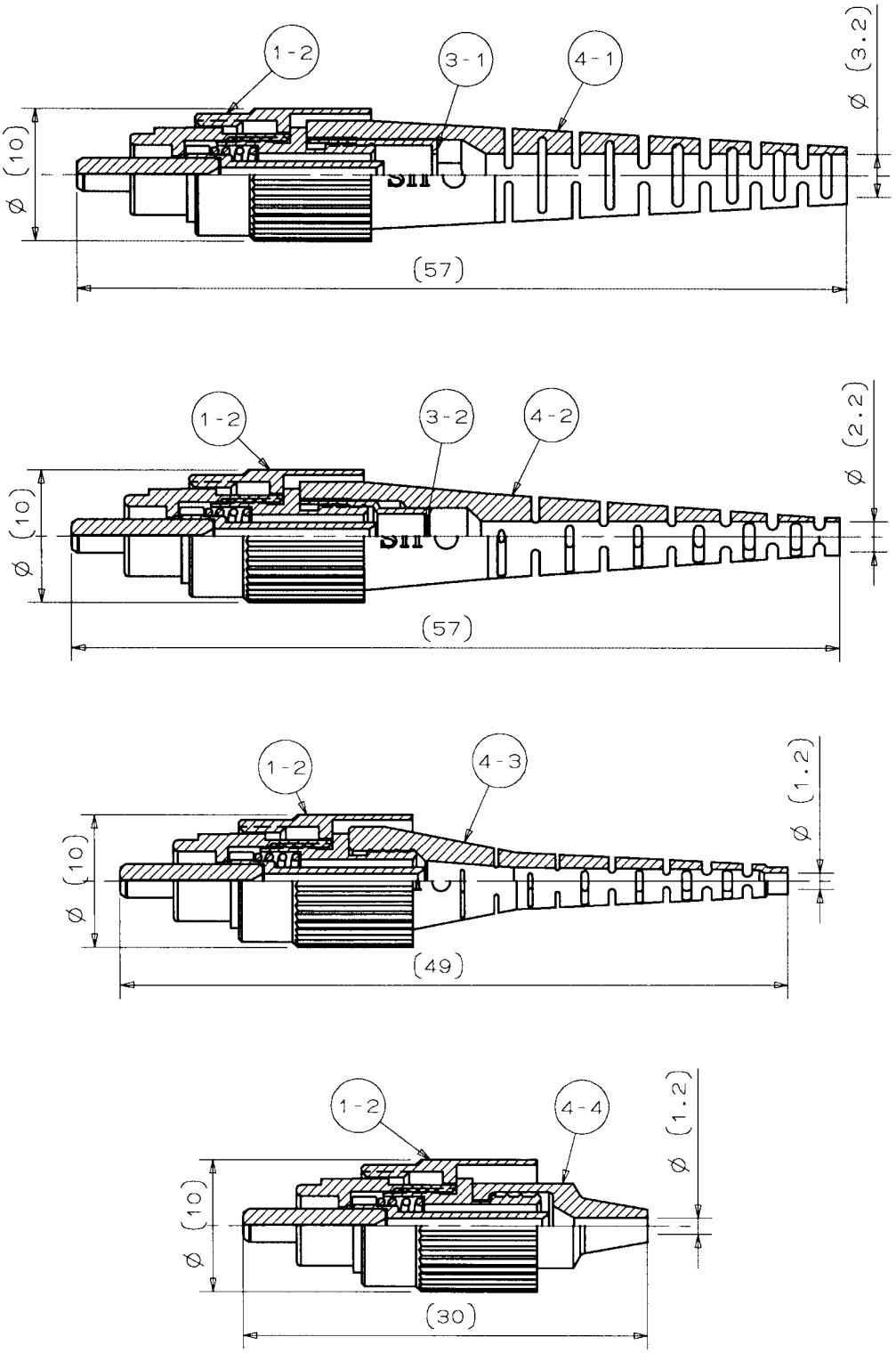
When discarding this product, please follow the regulation of your own country.



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

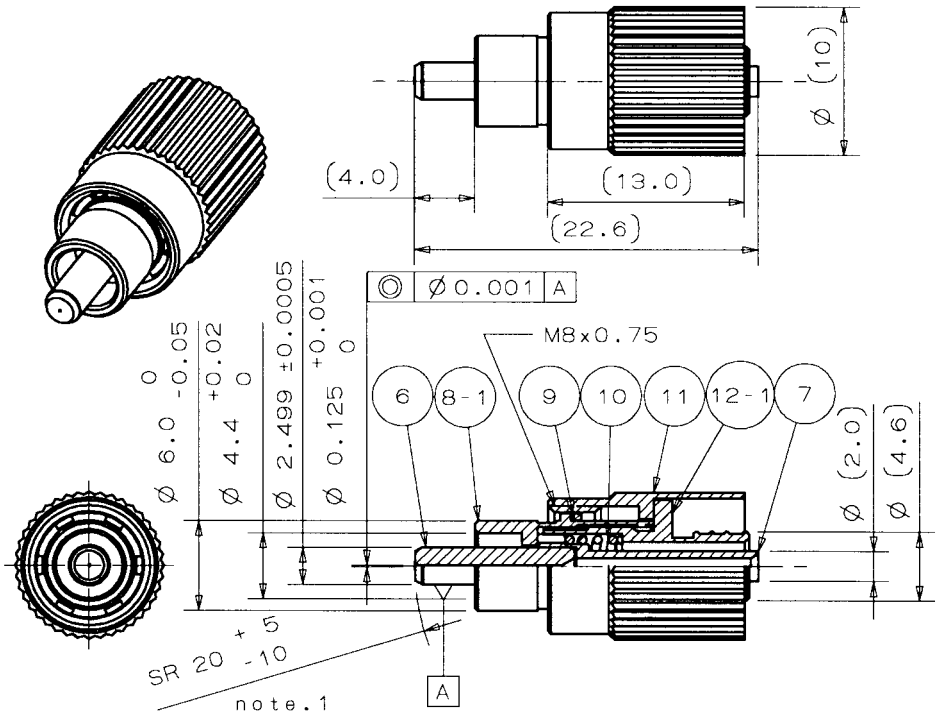
Figure 1 SAP-8 Connector (Machining frame type)



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

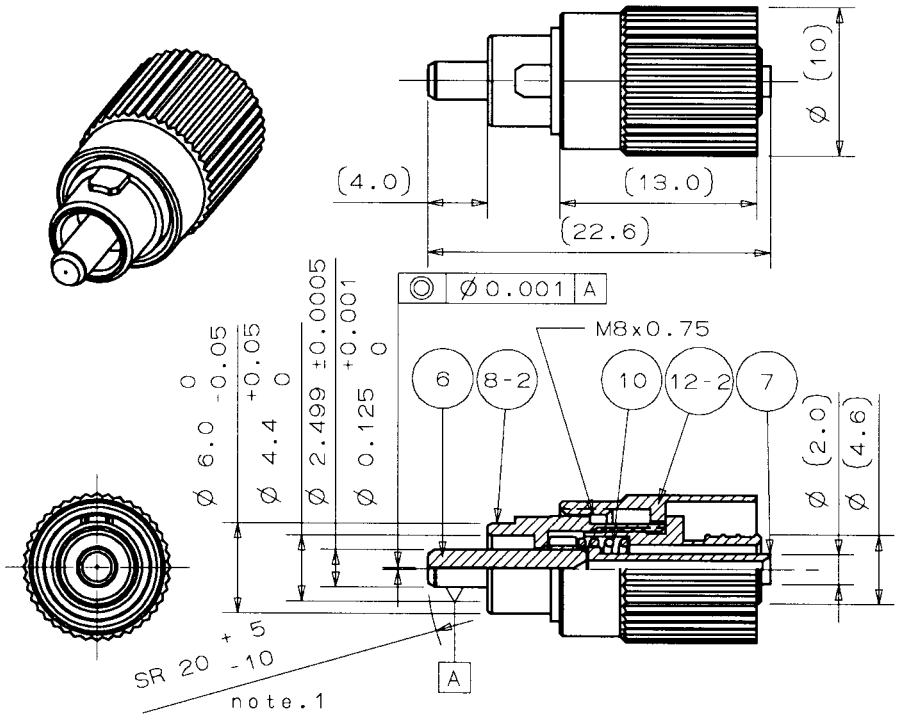
Figure 2 SAP-8 Connector (Molding frame type)



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

Unit: mm

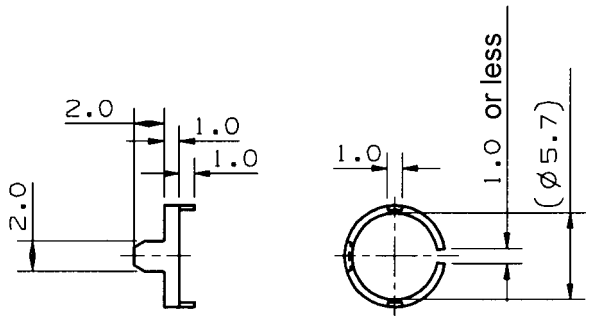
Figure 3 #1-1. Mainbody (Machining frame ytpe)



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

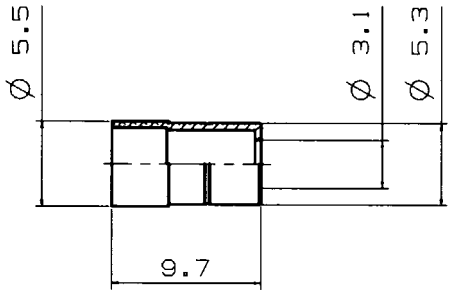
Unit: mm

Figure 4 #1-2. Mainbody (Molding frame ytpe)



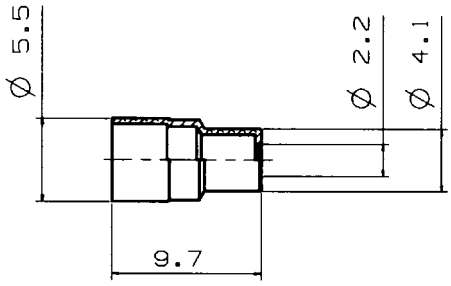
Unit: mm

Figure 5 #2 Keyring (for machining frame type)



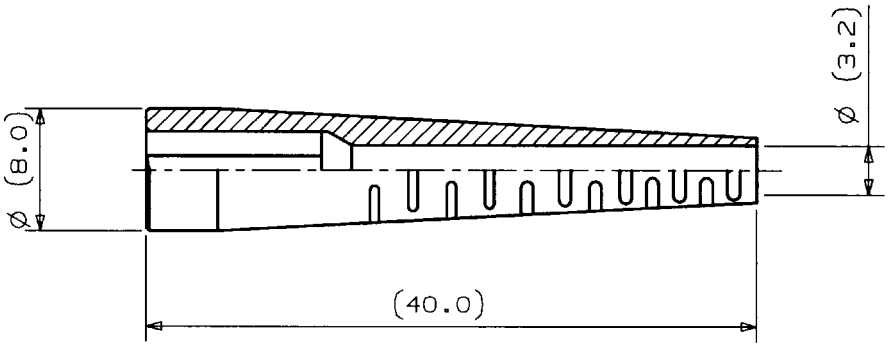
Unit: mm

Figure 6 #3-1. Crimping ring (for 3.0mm cord)



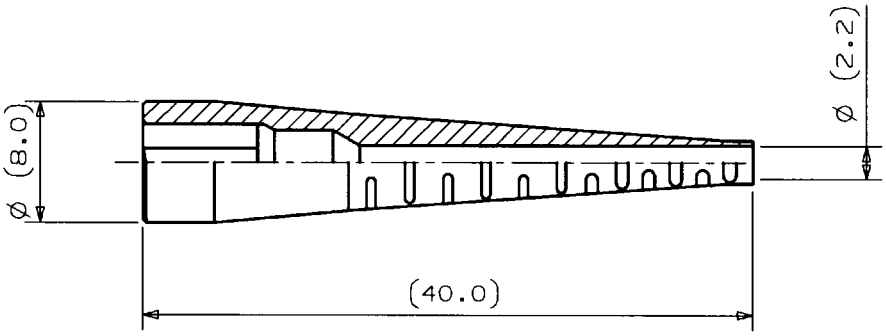
Unit: mm

Figure 7 #3-2. Crimping ring (for 2.0mm cord)



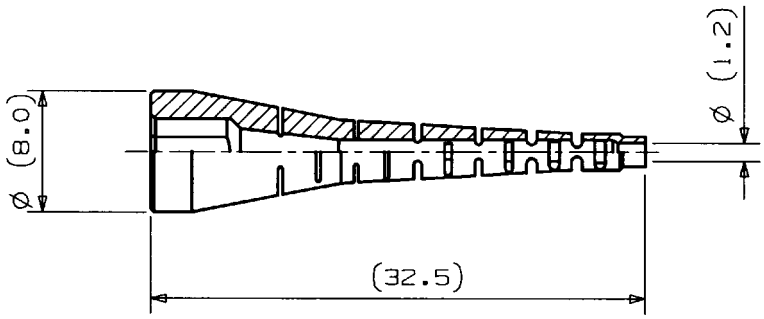
Unit: mm

Figure 8 #4-1. Hood (for 3.0mm cord)



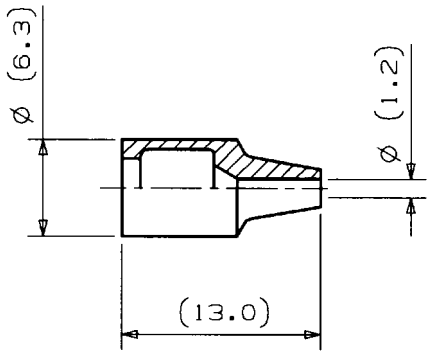
Unit: mm

Figure 9 #4-2. Hood (for 2.0mm cord)



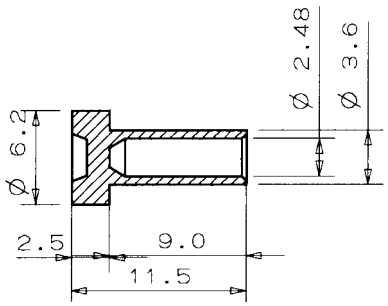
Unit: mm

Figure 10 #4-3. Hood (for 0.9mm buffered fiber)



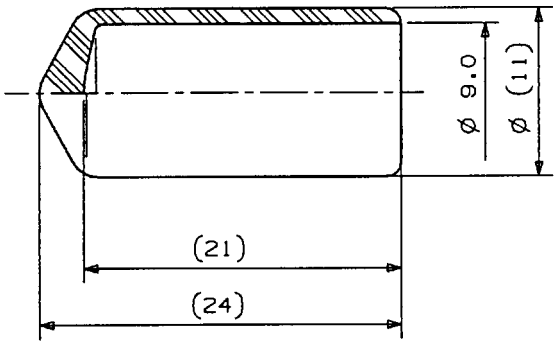
Unit: mm

Figure 11 #4-4. Hood (for 0.9mm buffered fiber)



Unit: mm

Figure 12 #5-1. Cap (Ferrule Cap)



Unit: mm

Figure 13 #5-2. Cap (PVC)