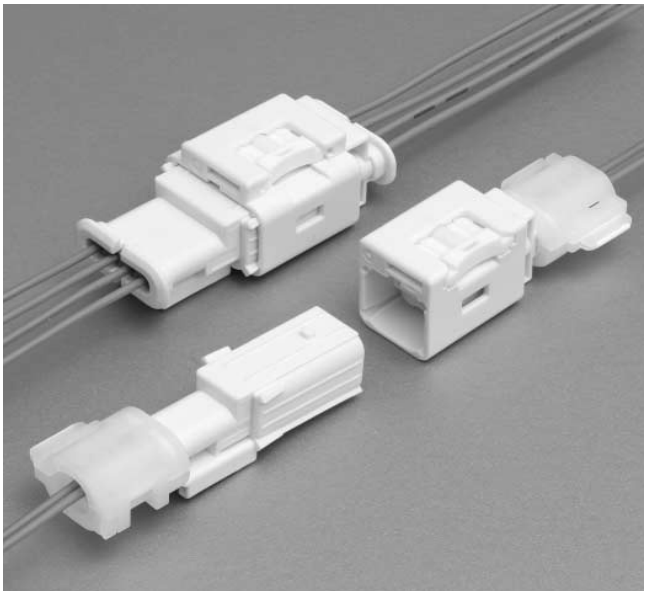
SAB CONNECTOR

Wire-to-wire/Sealed connector



0.64 mm single sealed wire to wire connector with rigid design and spring lock mechanism.
Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connector.
This connector has short terminal to prevent accidental electrical discharge.

■ Features

●0.64 mm Single Sealed Connector

●Anti Vibration Mechanism
High reliability rigid connecter enables to keep higher durability at shock and vibrated environment.

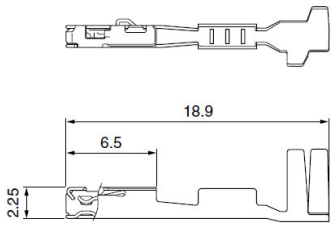
●Go / No-Go Mating system
Compression spring prevents half-connecting.

■ Specifications

●Current rating : 5 A AC, DC max.
●Withstanding voltage: 1,000 VAC/minute
●Temperature range : -40°C to +120°C
(including temperature rise in applying electrical current)
(temperature range is different depending on wires)
●Contact resistance : Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
●Insulation resistance : 100 MΩ min.
●Applicable wire : AVSS, AESSXF
0.3mm^2 , 0.5 mm^2

*Compliant with ELV/RoHS2.
*Contact JST for details.

Female terminal

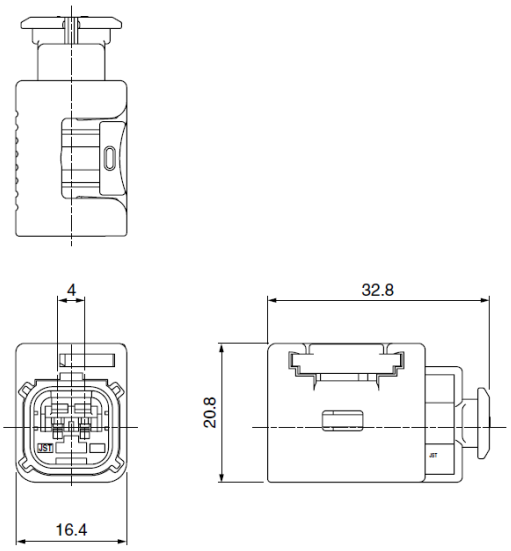


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm²)	Insulation O.D. (mm)	
SAITS-A03GF-M064	0.5	1.6 to 1.7	3,500

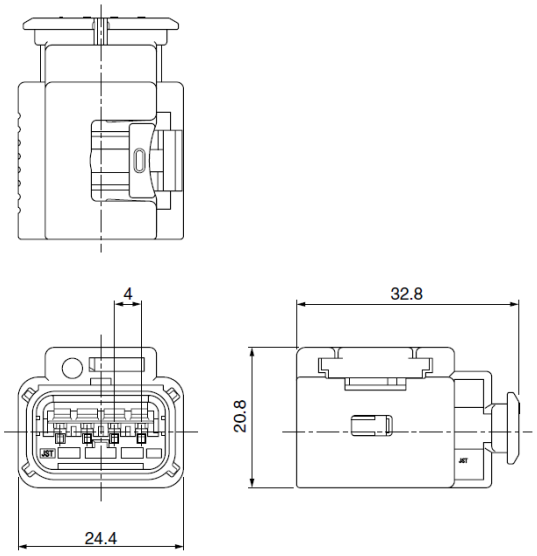
Material and Finish
Copper alloy, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated

Female connector

● 2 circuits



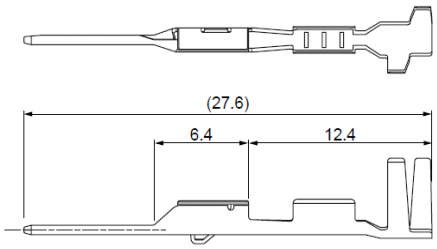
● 4 circuits



Circuits	Model No.	Housing Color	Q'ty/box
2	**SABRB-02-1A-Y**	Yellow	125
	SABRB-02-1A2-M	Green	
	SABRB-02-1A3-N	Blue	
4	**SABRB-04-1A-Y**	Yellow	100
	SABRB-04-1SB-Y		
	SABRB-04-4A-M	Green	

Material and Finish
Housing: Glass-filled PBT Slider: Glass-filled PBT, Natural (White) Retainer: Glass-filled PBT, Natural (White) Spring: SUS Inner seal: Silicone

Male terminal

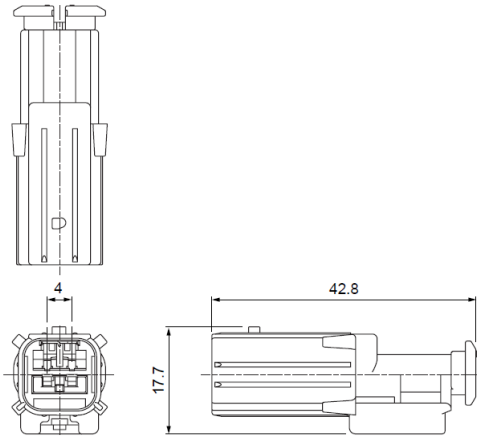


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm²)	Insulation O.D. (mm)	
SAITWS-A03GF-064	0.5	1.6 to 1.7	3,500

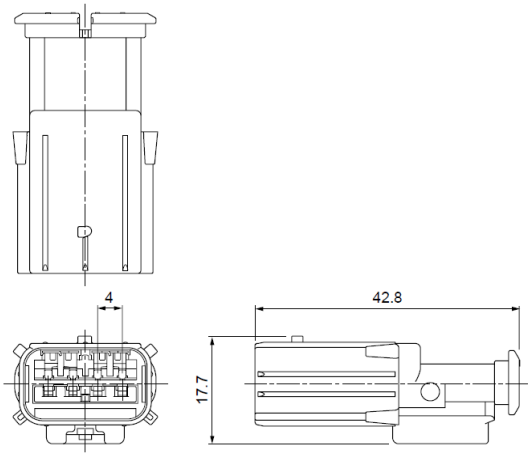
Material and Finish
Brass, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated

Male connector

● 2 circuits



● 4 circuits

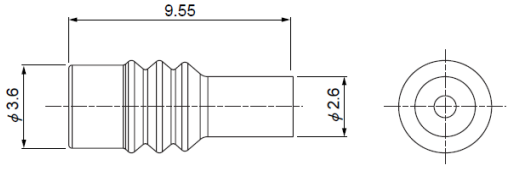


Circuits	Model No.	Housing Color	Q'ty/box
2	**SABPB-02-1A-Y**	Yellow	125
	SABPB-02-2B-Y		
	SABPB-02-1A2-M	Green	
	SABPB-02-3B2-M		
	SABPB-02-1A3-N	Blue	
4	**SABPB-04-1A-Y**	Yellow	100

Material and Finish
Housing: Glass-filled PBT, PA Retainer: Glass-filled PBT, Natural (White) Short terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated

Wire seal

● 2, 4 circuits

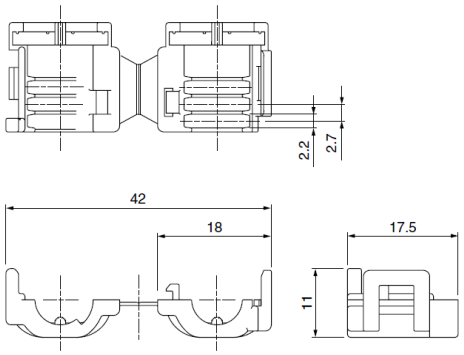


Model No.	Applicable wire range		Q'ty/box
	Conductor (mm²)	Insulation O.D. (mm)	
A03WS-SAB-N	0.5	1.6 to 1.7	10,000

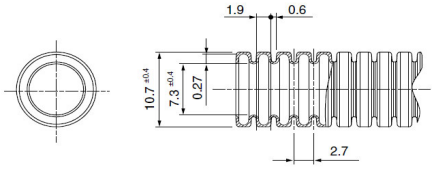
Material and Finish
Silicone

Cover

● 2 circuits



Recommended corrugate tube layout



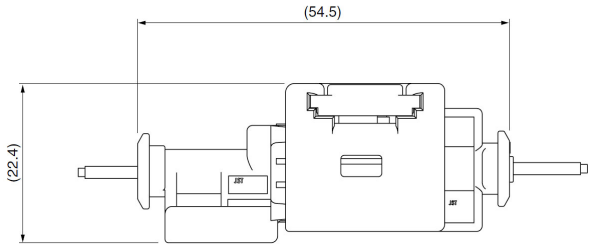
Model No.	Q'ty/box
Note) **SABC-02-1A-W**	200

Material and Finish
PP, Natural (White)

Note : Cover is applicable only for 2 circuits.

Assembly layout

● 2, 4 circuits



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAITS-A03GF-M64	AP-K2N	MK/SAITS-A03-064	APLMK SAITS-A03-064
SAITWS-A03GF-064		MK/SAITWS-A03-064	APLMK SAITWS-A03-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.