

Miniature Version Conform to JIS-C-5432



JM series connectors conform to JIS-C-5432. These connectors are used in a wide variety of industrial machinery applications.

FEATURE

- Miniature and High Density
#20 and #16 contact sizes are available
- 5 key design prevents mis-mating
- Quick and Easy Termination
Contacts are pre-loaded in the connector. Solder cups are permanently oriented in one direction to simplify termination.
- UL 94V-0 materials used
- Optional dip solder termination


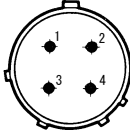

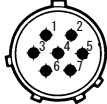
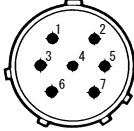
MATERIAL/FINISH

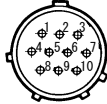
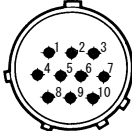
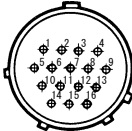
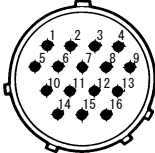
Insert	PBT resin (UL94V-0)/Blue
Contact	Copper alloy/Silver or Gold plating
Shell	Zinc alloy/Black, anti-corrosive treatment
Hood	ABS resin (UL94V-0)/Black
Cap	Aluminum alloy/Black, anti-corrosive treatment

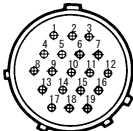
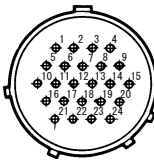
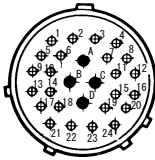
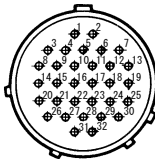
Specification

		Contact size	
		#20	#16
Voltage rating (max.)		250V AC (rms), 350V DC	
Current rating (max.)		5A	10A
Operating temperature		-25°C to +85°C	
Insulation resistance		10000mΩ min. at 500V DC	
Dielectric withstanding voltage		1000V AC (rms) at sea level	
Contact resistance		5mΩ max. at 1A	
Vibration		10-55Hz, Amplitude: 1.5mm	
Shock		Acceleration 50G	
Durability		500 cycles	
Humidity (Steady state)		40°C, 90 to 95%, 96 hours	
Temperature cycle		-40°C to +100°C, 5cycles	
Salt spray		5%, 35°C, 48hours	
Wire size	Contact size	AWG #20	AWG #16
	Wire size Conductor crossared	AWG #20 or Less	AWG #16 or Less

Insert Arrangements (Front View of Male Insert)

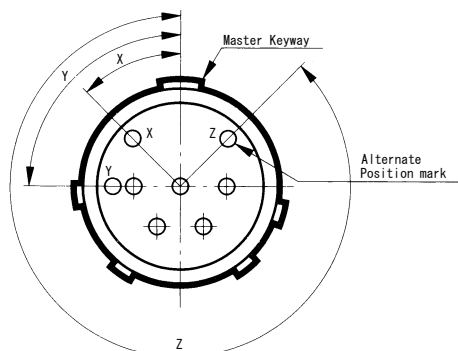
No. of Contacts	3	4	5	7	
Shell Size	13	21	13	16	21
Arrangements					
Insert No.	1303	2104	1305	1607	2107

No. of Contacts	10		16	
Shell Size	16	21	21	25
Arrangements				
Insert No.	1610	2110	2116	2516

No. of Contacts	19	24	28	32
Shell Size	21	25	25	25
Arrangements				
Insert No.	2119	2524	2528	2532

○.....#20 Male contact ●.....#16 Male contact

Alternate Insert Positions



Front view of pin insert

No. of Con- tacts	Insert Number	X	Y	Z
3	1303	30°	60°	180°
4	2104	30	135	—
5	1305	45	90	315
7	1607	30	135	—
	2107	30	135	—
10	1610	45	90	315
	2110	45	90	315
16	2116	45	90	315
	2516	45	90	315
19	2119	45	90	315
24	2524	45	90	315
28	2528	45	90	315
32	2532	45	90	315

JMSP2524MXGD**SHELL STYLE**

SP: Straight Plug
 LP: Angle Plug
 R: Box Mounting Receptacle
 WR: Wall Mounting Receptacle
 CR: Cable Connecting Receptacle
 WL: Angle Wall Receptacle
 CL: Angle Cable Receptacle

INSERT ARRANGEMENT

See table

TAIL STYLE/HOOD MATERIAL

Omit: Solder cup/Plastic hood
 D: Dip solder tail (Shell style "R" only)
 M: Solder cup/Metal hood

CONTACT PLATING

Omit: Silver Plating
 G: Gold plating

ALTERNATE INSERT POSITION

Omit: Standard position
 X, Y, Z: Alternate position

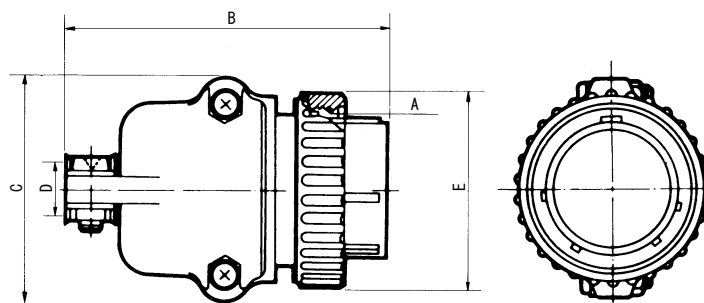
CONTACT STYLE

M: Male (Pin)
 F: Female (Socket)

■ Straight Plug

Plastic Hood Type

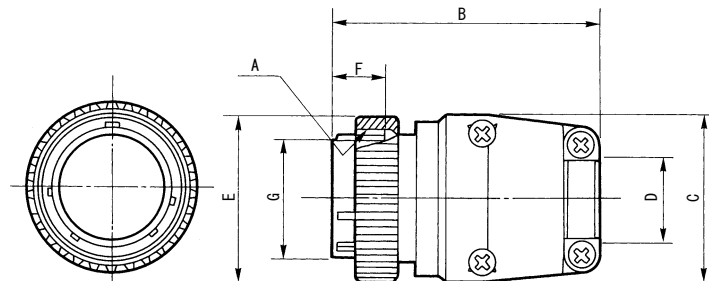
JMSP□□□□□□□



Shell Size	Threads A	B	C	D	E
13	M18 × 1	46.5	26.5	3.0 ~ 8.0	21
16	M22 × 1	48.8	30.5	3.0 ~ 9.0	25
21	M26 × 1	51.8	34.0	8.0 ~ 12.0	29
25	M30 × 1	54.1	37.5	9.6 ~ 15.0	33

Metal Hood Type

JMSP□□□□□□□M

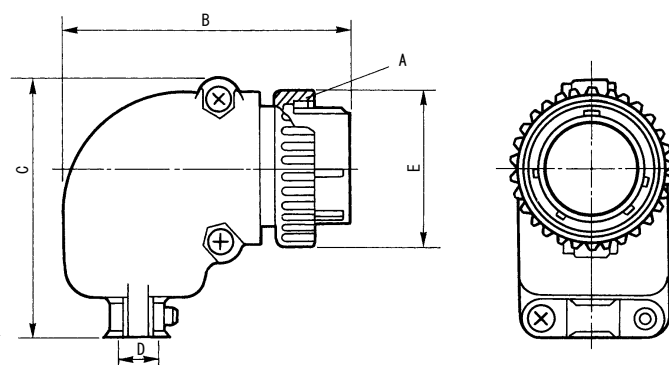


Shell Size	Threads A	B	C	D	E
13	M18 × 1	48.5	24.0	7.0~ 8.7	21
16	M22 × 1	50.5	27.9	8.0~10.5	25
21	M26 × 1	52.5	32.1	10.0~13.0	29
25	M30 × 1	55.5	35.3	14.0~16.0	33

Right Angle Plug

Plastic Hood Type

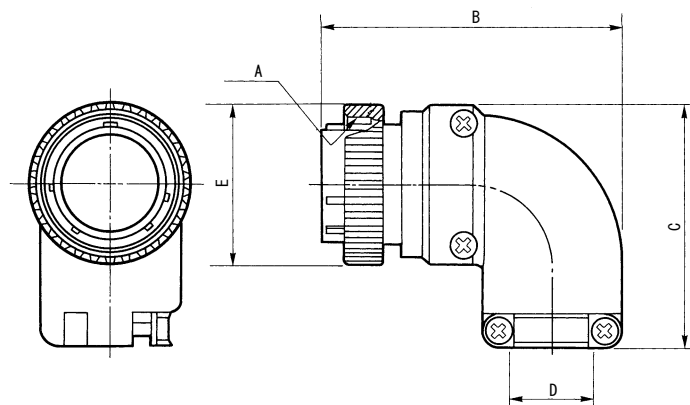
JMLP□□□□□□□



Shell Size	Threads A	B	C	D	E
13	M18 × 1	49.3	41.0	3.0~ 8.0	21
16	M22 × 1	55.0	46.0	3.0~ 9.0	25
21	M26 × 1	57.5	50.3	8.0~12.0	29
25	M30 × 1	63.0	54.5	9.6~15.0	33

Metal Hood Type

JMLP□□□□□□□M

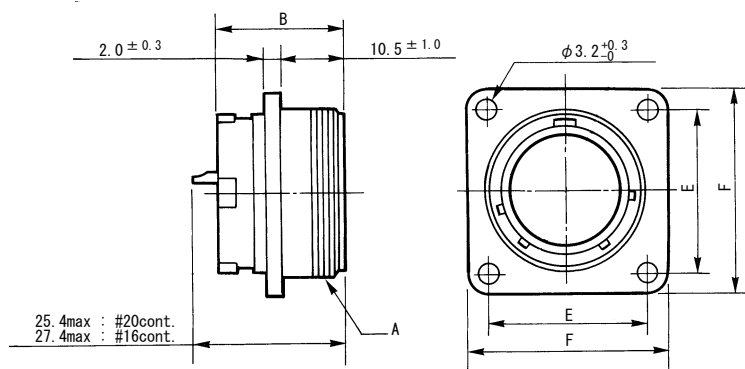


Shell Size	Threads A	B	C	D	E
13	M18 × 1	52.2	42.5	7.0~ 8.7	21
16	M22 × 1	57.0	46.5	8.0~10.5	25
21	M26 × 1	60.5	50.7	10.0~13.0	29
25	M30 × 1	66.0	53.4	14.0~16.0	33

■ Box Mounting Receptacle

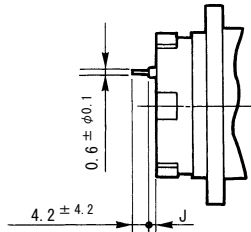
Solder Cup Type

JMR□□□□□□□□



Dip Solder Type

JMR□□□□□□□D

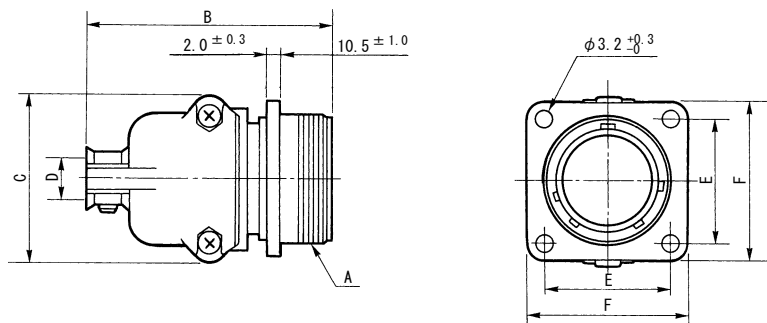


Shell Size	Threads A	B	E	F	J
13	M18 × 1	20.4	20	26	2.5
16	M22 × 1	20.4	23	29	2.5
21	M26 × 1	20.4	26	32	2.5
25	M30 × 1	21.6	29	35	1.3

Wall Mounting Receptacle

Plastic Hood Type

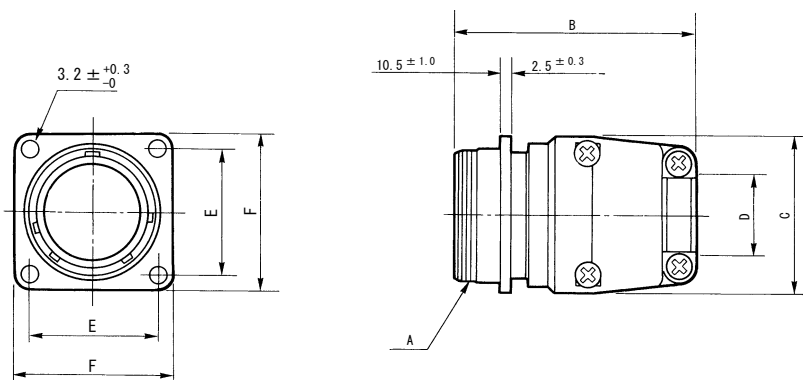
JMWR□□□□□□□



Shell Size	Threads A	B	C	D	E	F
13	M18 × 1	46.5	26.5	3.0 ~ 8.0	20.0	26.0
16	M22 × 1	48.8	30.5	3.0 ~ 9.0	23.0	29.0
21	M26 × 1	51.8	34.0	8.0 ~ 12.0	26.0	32.0
25	M30 × 1	54.1	37.5	9.6 ~ 15.0	29.0	35.0

Metal Hood Type

JMR□□□□□□□M

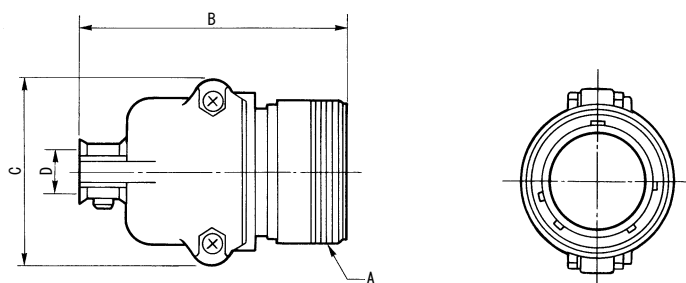


Shell Size	Threads A	B	C	D	E	F
13	M18 × 1	48.5	24.0	7.0~ 8.7	20.0	26.0
16	M22 × 1	50.5	27.9	8.0~10.5	23.0	29.0
21	M26 × 1	52.5	32.1	10.0~13.0	26.0	32.0
25	M30 × 1	55.5	35.3	14.0~16.0	29.0	35.0

Cable Connecting Receptacle

Plastic Hood Type

JMCR□□□□□□□



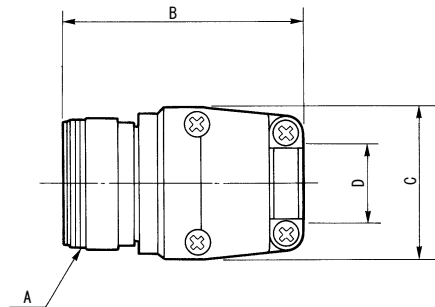
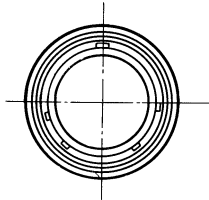
Shell Size	Threads A	B	C	D
13	M18 × 1	46.5	26.5	3.0~ 8.0
16	M22 × 1	48.8	30.5	3.0~ 9.0
21	M26 × 1	51.8	34.0	8.0~12.0
25	M30 × 1	54.1	37.5	9.6~15.0

JM Series

Unit : mm

Metal Hood Type

JMCR□□□□□□M

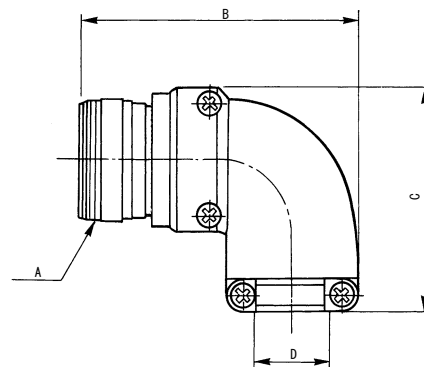
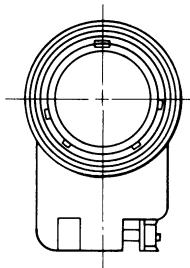


Shell Size	Threads A	B	C	D
13	M18 × 1	48.5	24.0	7.0~ 8.7
16	M22 × 1	50.5	27.9	8.0~10.5
21	M26 × 1	52.5	32.1	10.0~13.0
25	M30 × 1	55.5	35.3	14.0~16.0

Right Angle Cable Receptacle

Metal Hood Type

JMCL□□□□□□M

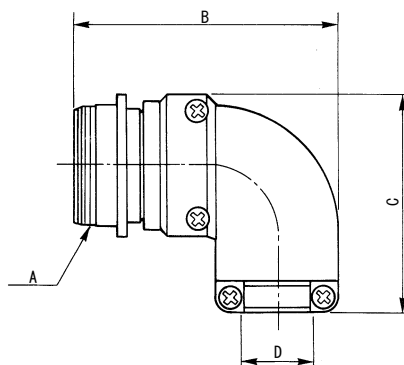
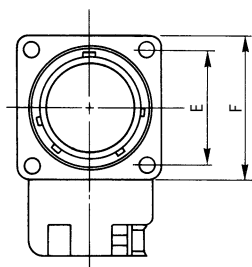


Shell size	A	B	C	D
13	M18 × 1	52.5	42.5	7.0~ 8.7
16	M22 × 1	57.0	46.5	8.0~10.5
21	M26 × 1	60.5	50.7	10.0~13.0
25	M30 × 1	66.0	53.9	14.0~16.0

■ Right Angle Wall Mounting Receptacle

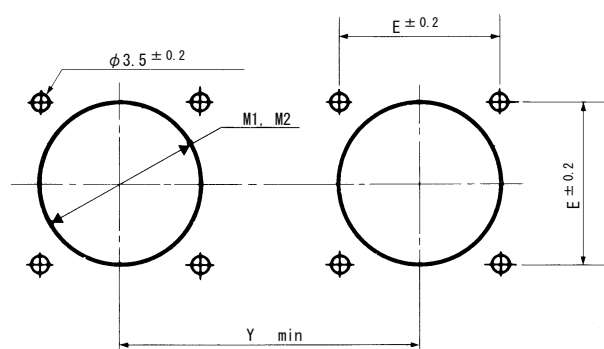
Metal Hood Type

JMWL□□□□□□M



Shell size	A	B	C	D	E	F
13	M18 × 1	52.5	42.5	7.0~ 8.7	20.0	26.0
16	M22 × 1	57.0	46.5	8.0~10.5	23.0	29.0
21	M26 × 1	60.5	50.7	10.0~13.0	26.0	32.0
25	M30 × 1	66.0	53.9	14.0~16.0	29.0	35.0

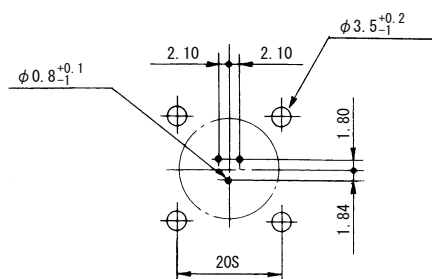
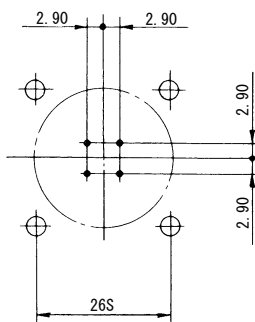
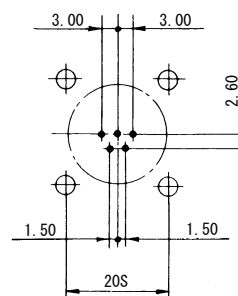
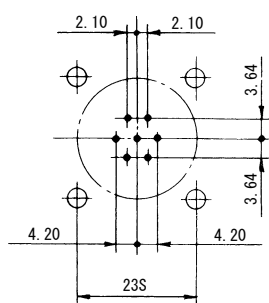
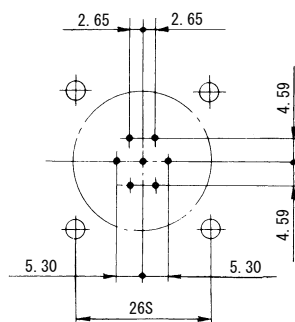
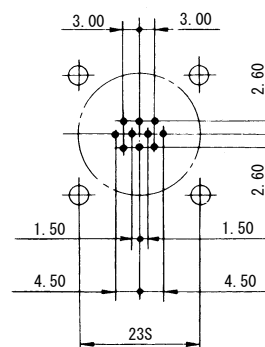
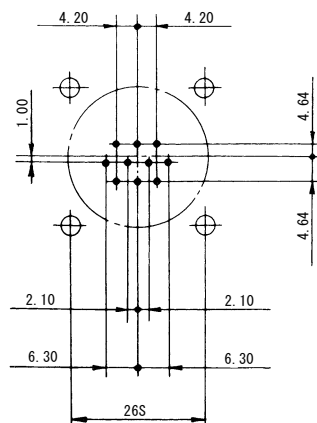
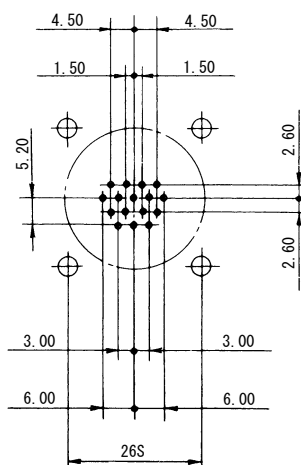
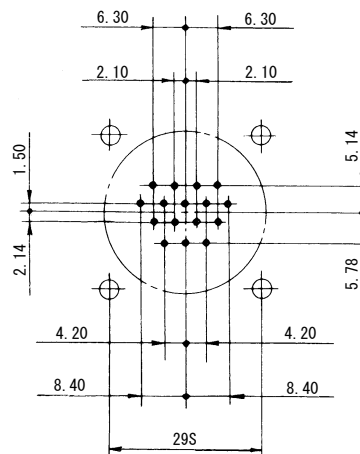
Panel Cut-out (for JMR/JMWR/JMCL/JMWL)

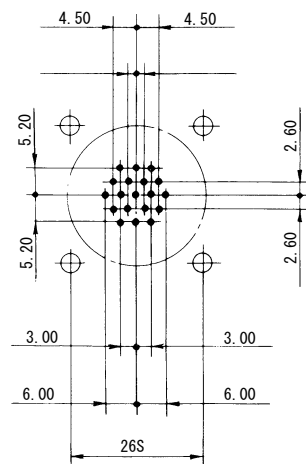
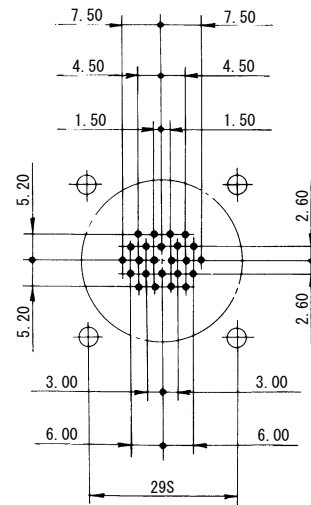
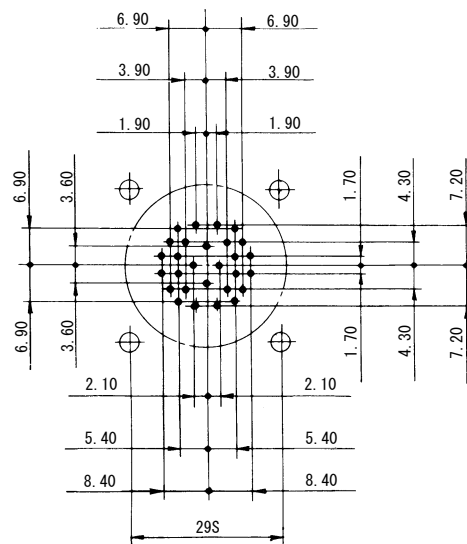
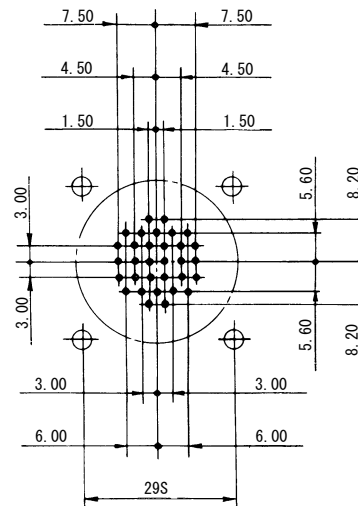


Shell size	E	M ₁	M ₂	Y
13	20	17	19	42
16	23	21	23	46
21	26	25	27	50
25	29	29	31	54

M₁: Front mounting holes dia. (Shell style "R" only)
M₂: Rear mounting holes dia.

P.C.B. Mounting Holes for Dip Soldering Type

130321041305160721071610211021162516

2119252425282532

■ Cap

JMPC25

CAP STYLE

PC: Plug cap

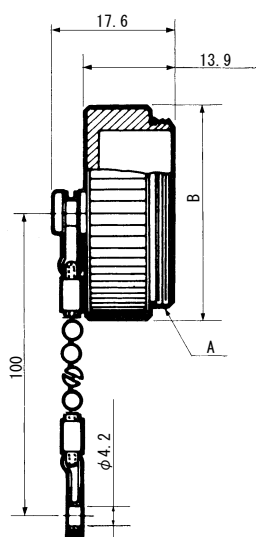
RC: Receptacle cap

SHELL SIZE

13, 16, 21, 25

Plug Cap

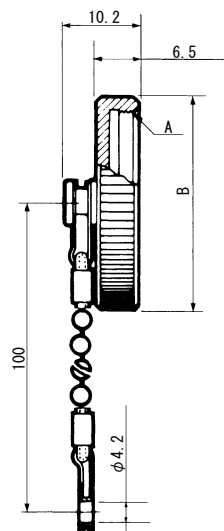
JMPC□□



Part Number	Shell size	Threads A	B
JMPC13	13	M18 × 1	21
JMPC16	16	M22 × 1	25
JMPC21	21	M26 × 1	29
JMPC25	25	M30 × 1	33

Receptacle Cap

JMRC□□



Part Number	Shell size	Threads A	B
JMRC13	13	M18 × 1	21
JMRC16	16	M22 × 1	25
JMRC21	21	M26 × 1	29
JMRC25	25	M30 × 1	33