

F26 series circular electrical connectors

Product brief introduction

F26 series circular electrical connectors have 3 series: inch, metric and power series.

Inch series are compliant with L710A (MIL-C-26482) and metric series GJB101A.

F26 series are applied in electrical and communication signals connections in tactical system, electronic antagonizing system, field operating power supply, communication signal connection system, aerospace, aviation and marine communication and test tracking system, computer system, posts and telecommunications railway command system, imported medical devices.

F26 series use bayonet coupling system. The characteristics include quick connect and disconnect, small volume and light weight. Plug has many mounting type, such as cable clip wire board type, simple packing, grounding pressing type, anti-wave tensile resistant type, right angle wire protecting type, cable "mike" type and elastic wire protecting type. Cable outlet has sealing rubber wire protecting sleeves with various sizes which are used with cables to strengthen cable and plug's rainproof, waterproof, dustproof and tensile strength. Contacts are soldered. Shells have many plating available. Receptacles have general sealing and glass filled hermetic sealing types for various operation environment.

Applied enterprise standard: Q/21E20077

Main performances

[Mechanical performances]

- vibration: frequency 10Hz—2000Hz, acceleration 196 m/s^2
- shock: acceleration 980.7 m/s^2
- endurance: 500 cycles

[Environmental performances]

- operation temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- RH: temperature $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 90%~95%
- operation atmosphere: 101.33kPa-1.33Pa
- air leakage: normal receptacle: not more than $6 \times 10^{-2} \text{ PaL/s}$
Glass filled receptacle: not more than $1 \times 10^{-5} \text{ PaL/s}$

[Electrical performances]

- Rated voltage:

Operation environment	Rated voltage (DC or 50Hz AC rms)
Normal condition	600 V
Heat damp	600 V
High Altitude (4.39 kPa)	300 V

- Withstanding voltage:

Condition	Withstanding voltage (DC or 50Hz AC rms)
Sea level	1500 V
21366m (4.39 kPa)	375 V

——insulation resistance: $\geq 3000\text{M}\Omega$



F26GZ Inch series circular

electrical connectors

[Ordering information]



Basic series	F26G	X	-12	10	T	J	2	W	-9.5
connector type	X—Solder glue sealing, aluminum base anodization with black paint X ₃ —Solder glue sealing, aluminum base anodization with olive green P—Solder shielding glue sealing, aluminum base plated by satin nickel P ₂ —Solder shielding glue sealing, olive green cadmium plating P ₄₀ —Solder shielding glue sealing, stainless steel passive S—Solder shielding glue sealing, copper base plated by satin nickel P ₁₅ —Solder shielding glue sealing, aluminum base plated by black chrome P ₁₈ —Solder shielding glue sealing, base plated by satin nickel BW—Solder shielding glue sealing, aluminum base plated by olive drab cadmium								
Shell size	08, 10, 12, 14, 16, 18, 20, 22, 24								
Number of contacts	See "Insert arrangements"								
Plug identification	T-Plug								
Contact type	J—Pin K—Socket								
Back shell type	1-grounding pressing type 2-clip wire board type 4-anti-wave tensile resistant type 5-right angle wire protecting type 6-"mike" type 6A-elastic wire protecting type								
Polarization	N, W, X, Y, Z (N is left blank details see polarization illustration)								
Accessories cable outlet diameter	Mark the value								



[Receptacle Designation]

	F26G	X	-12	10	Z	K	10	-2	W	-9.5
Basic series	F26G — Inch series circular electrical connectors									
connector type	X—Solder glue sealing, aluminum base anodization with black paint X ₃ —Solder glue sealing, aluminum base anodization with olive green P—Solder shielding glue sealing, aluminum base plated by satin nickel P ₂ —Solder shielding glue sealing, olive green cadmium plating P ₄₀ —Solder shielding glue sealing, stainless steel passive S—Solder shielding glue sealing, copper base plated by satin nickel P ₁₅ —Solder shielding glue sealing, aluminum base plated by black chrome P ₁₈ —Solder shielding glue sealing, base plated by satin nickel BW—Solder shielding glue sealing, aluminum base plated by olive drab cadmium H—glass filled hermetic sealing									
Shell size	08, 10, 12, 14, 16, 18, 20, 22, 24									
Contact No.	See "Insert arrangements"									
Receptacle	Z-Receptacle									
Contact type	J—Pin K—Socket S—Bulkhead contact									
Receptacle mounting type	10-Square flange 4-Jam nut mounting									
Back shell type	1-grounding pressing type 2-clip wire board type 4-anti-wave tensile resistant type 5-right angle wire protecting type 6-"mike" type 6A-elastic wire protecting type									
Polarization	N, W, X, Y, Z (N is left blank details see polarization illustration)									
Accessories cable outlet dia.										



Insert arrangement (front face of pin inserts illustrated)

Shell number

08	02 2-20#	03 3-20#	04 4-20#	07 7-φ 0.8	33 3-20#	98 (03A) 3-20#
	06 6-20#	98 (06A) 6-20#	07 7-20#	10 10-φ 0.8		
10	03 3-16#	08 8-20#	10 10-20#			
12	04 4-12#	05 5-16#	09 9-20# 4-12#	12 12-20# 4-16#	15 15-20# 1-16#	
	18 18-20#	19 19-20#	22 22-20# 4-12#			
14	08 8-16#	14 14-20# 6-12#	23 23-20# 1-16#	26 26-20#	99 99-20# 2-16#	
	08 8-12#	11 11-16#	30 30-20# 1-16#	32 32-20#	85 85-20# 8-12#	
16	16 16-16#	24 24-20#	27 27-20#	39 39-20# 2-16#	41 41-20#	
	90 90-20# 12-12#					



22	12 12-12#	19 19-12#	21 21-16#	32 32-20#	34 34-20#
	41 27-20# 14-16#	55 55-20#	95 26-20# 6-12#		
24	19 19-12#	31 31-16#	61 61-20#		

—Contact size:

No.	Contact size	Rated current (A)	Contact resistance (mΩ)	Solder cup inner dia. (mm)
1	Φ0.8 mm	3	≤6	Φ0.8
2	20#	5	≤5	Φ1.3
3	16#	10	≤3	Φ1.8
4	12#	20	≤1.5	Φ2.8

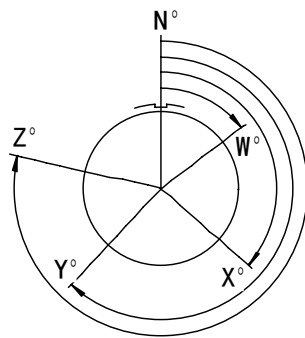
—when several contacts are operating at the same time, rated current drop rate:

Number of contacts	1~10	11~20	21~30	31~61
Rated current drop rate %	0	10	20	30



Anti-mismatching keyways (insert rotating in the metallic shell)

In order to avoid mismatching of plug and receptacle with the same insert arrangement and used in the same equipment but with different transmitting signals, we add keys of various angles on the insert out periphery and can rotate and mount products according to user's requirements. See the figure below:

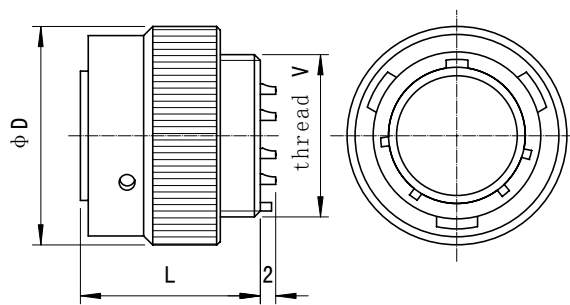


Shell size	Arrangement code	Angle				
		N	W	X	Y	Z
08	0802	0	--	--	--	--
	0803	0	60	210	--	--
	0804	0	45	--	--	--
	0807	0	--	--	--	--
	0833	0	90	--	--	--
	0898	0	60	210	--	--
10	1006	0	90	--	--	--
	1098	0	90	180	240	270
12	1203	0	--	--	180	--
	1208	0	90	112	203	292
	1210	0	60	155	270	295
14	1404	0	45	--	--	--
	1405	0	40	92	184	273
	1409	0	15	90	180	240
	1412	0	43	90	--	--
	1415	0	17	110	155	234
	1418	0	15	90	180	270
	1419	0	30	165	315	--
	1422	0	45	--	--	--
16	1608	0	54	152	180	331
	1614	0	25	78	180	240
	1623	0	158	270	--	--
	1626	0	60	--	275	338
	1699	0	66	156	223	340
18	1808	0	180	--	--	--
	1811	0	62	119	241	340
	1830	0	180	193	285	350
	1832	0	85	138	222	265
	1885	0	45	90	180	240
20	2016	0	238	318	333	347
	2024	0	70	145	215	290
	2027	0	72	144	216	288
	2039	0	63	144	252	333
	2041	0	45	126	225	--
22	2090	0	18	60	240	270
	2212	0	--	--	--	--
	2219	0	15	90	225	308
	2221	0	16	135	175	349
	2232	0	72	145	215	288
	2234	0	62	142	218	298
	2241	0	39	135	264	--
	2255	0	30	142	226	314
24	2295	0	26	180	266	--
	2419	0	30	165	315	--
	2431	0	90	225	255	--
	2461	0	90	180	270	324



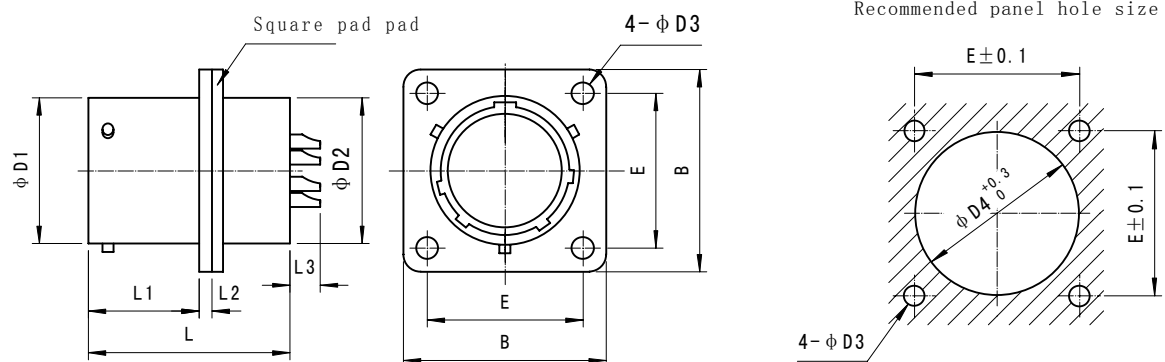
Outline dimensions

[Plug]



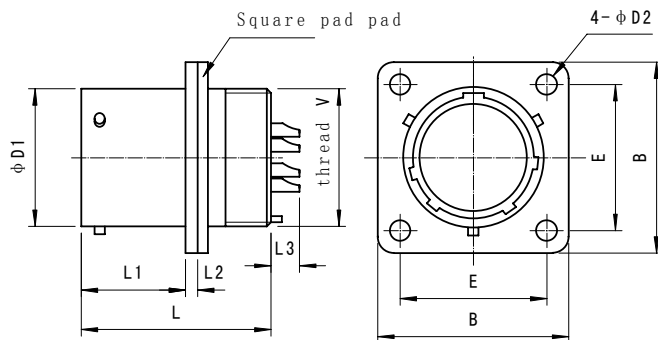
Shell size	D	L	Thread V	2A
08	19.0	22.1	0.5000-20 UNF	
10	22.0	22.1	0.6250-24 UNEF	
12	26.0	22.1	0.7500-20 UNEF	
14	29.0	22.1	0.8750-20 UNEF	
16	32.5	22.1	1.0000-20 UNEF	
18	35.0	22.1	1.0625-18 UNEF	
20	39.0	25.5	1.1875-18 UNEF	
22	43.0	25.5	1.3125-18 UNEF	
24	45.0	25.5	1.4375-18 UNEF	

[Square flange receptacle]

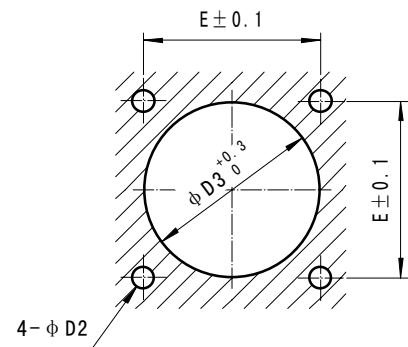


Shell size	L	L1	L2	L3	D1	D2	B	E	D3	D4
08	21.5	10.95	1.9	2.7	12.04	11.4	21.0	15.1	3.2	12.0
10	21.5	10.95	1.9	2.7	15.01	14.6	23.8	18.3	3.2	15.2
12	21.5	10.95	1.9	2.7	19.07	17.8	26.5	20.6	3.2	18.5
14	21.5	10.95	1.9	2.7	22.25	20.9	28.7	23.0	3.2	21.6
16	21.5	10.95	1.9	2.7	25.43	24.1	31.2	24.6	3.2	24.8
18	21.5	10.95	1.9	2.7	28.60	27.3	33.3	27.0	3.2	28.0
20	27.0	14.3	2.7	1.0	31.78	30.5	36.9	29.4	3.2	31.3
22	27.0	14.3	2.7	1.0	34.95	33.6	39.7	31.8	3.2	34.4
24	27.0	14.3	2.7	1.0	38.13	36.8	43.3	34.9	3.7	37.6

Square flange receptacle (with rear thread)

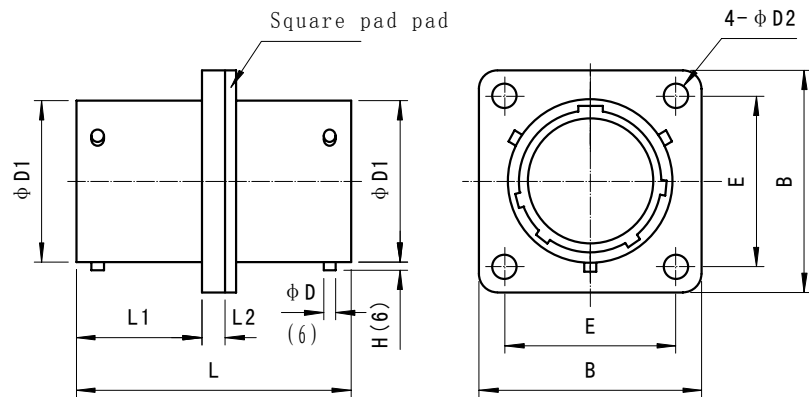


Recommended panel hole size



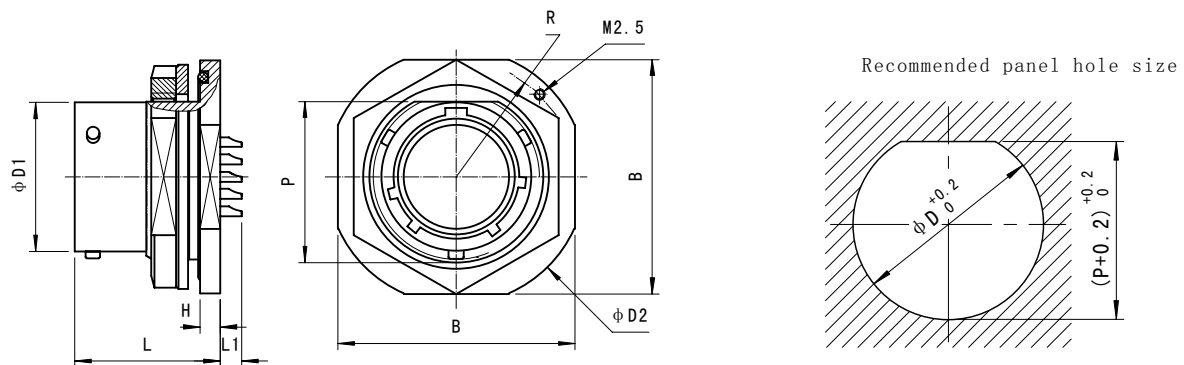
Shell size	L	L1	L2	L3	D1	D2	B	E	Thread V 2A	D3
08	21.5	10.95	1.9	2.7	12.04	3.2	21.0	15.1	0.5000-20 UNF	13.2
10	21.5	10.95	1.9	2.7	15.01	3.2	23.8	18.3	0.6250-24 UNEF	16.4
12	21.5	10.95	1.9	2.7	19.07	3.2	26.5	20.6	0.7500-20 UNEF	19.5
14	21.5	10.95	1.9	2.7	22.25	3.2	28.7	23.0	0.8750-20 UNEF	22.8
16	21.5	10.95	1.9	2.7	25.43	3.2	31.2	24.6	1.0000-20 UNEF	26.0
18	21.5	10.95	1.9	2.7	28.60	3.2	33.3	27.0	1.0625-18 UNEF	27.5
20	27.0	14.3	2.7	1.0	31.78	3.2	36.9	29.4	1.1875-18 UNEF	30.7
22	27.0	14.3	2.7	1.0	34.95	3.2	39.7	31.8	1.3125-18 UNEF	33.8
24	27.0	14.3	2.7	1.0	38.13	3.7	43.3	34.9	1.4375-18 UNEF	37.0

[Square flange bulkhead Receptacle]



Shell size	L	L1	L2	D1	D2	B	E	H	D
10	33.5	14.5	2.5	15.01	3.2	23.8	18.3	1.2	2.0
12	33.5	14.5	2.5	19.07	3.2	26.5	20.6	1.4	2.0
14	33.5	14.5	2.5	22.25	3.2	28.7	23.0	1.4	2.0
16	33.5	14.5	2.5	25.43	3.2	31.2	24.6	1.4	2.0
18	33.5	14.5	2.5	28.60	3.2	33.3	27.0	1.4	2.0
20	36.0	16.5	3.0	31.78	3.2	36.9	29.4	1.4	2.0
22	36.0	16.5	3.0	34.95	3.2	39.7	31.8	1.4	2.0
24	36.0	16.5	3.0	38.13	3.7	43.3	34.9	1.4	3.2

[Jam nut receptacle]



Shell size	D1	D2	L	H	L1	B	P	R	D
08	12.04	27	21.5	3.2	2.7	23.8	13.2	11.5	14.6
10	15.01	31	21.5	3.2	2.7	27.0	16.5	13.5	17.8
12	19.07	35	21.5	3.2	2.7	31.8	20.8	15.5	22.8
14	22.25	39	21.5	3.2	2.7	34.9	24.0	17.5	25.7
16	25.43	42	21.5	3.2	2.7	38.1	27.1	19.0	28.9
18	28.60	45	21.5	3.2	2.7	41.3	30.3	20.5	32.1
20	31.78	50	27	4.0	1.0	46.0	33.4	23.0	35.2
22	34.95	53	27	4.0	1.0	49.2	36.6	24.5	38.5

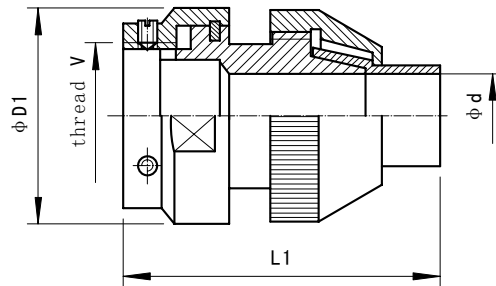


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24	38.13	56	27	4.0	1.0	52.5	39.7	26.0	41.7
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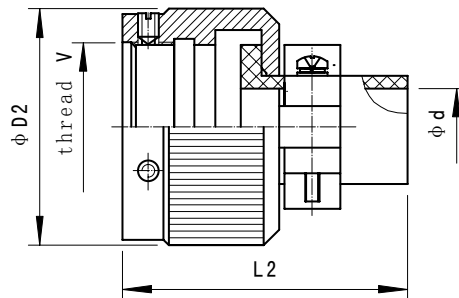
Available Backshell

[grounding pressing type backshell]



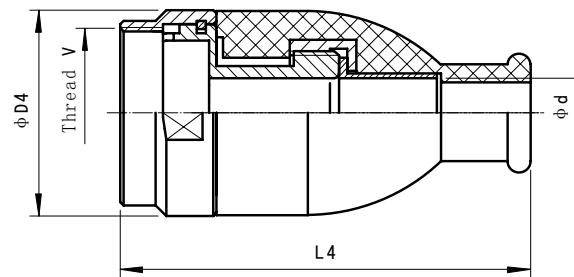
Shell size	Thread V 2B	D1	L1	Cable outlet diameter d
08	0.5000-20 UNF	18	39	6.3、7.9、9.5
10	0.6250-24 UNEF	23	39	6.3、7.9、9.5、11.1、12.7、16
12	0.7500-20 UNEF	25	39	6.3、7.9、9.5、11.1、12.7、16、19
14	0.8750-20 UNEF	29	40	7.9、9.5、11.1、12.7、13、16、19
16	1.0000-20 UNEF	32	39	11.1、12.7、16、19、22.2
18	1.0625-18 UNEF	35	41	11.1、12.7、16、19、22.2、25.4
20	1.1875-18 UNEF	38	42	9.5、11.1、12.7、16、17.5、19、22.2、25.4
22	1.3125-18 UNEF	41	39	11.1、12.7、16、19、22.2、25.4
24	1.4375-18 UNEF	44	39	12.7、16、17.5、19、22.2、25.4、28.5、31.8

[clip wire board type backshell]



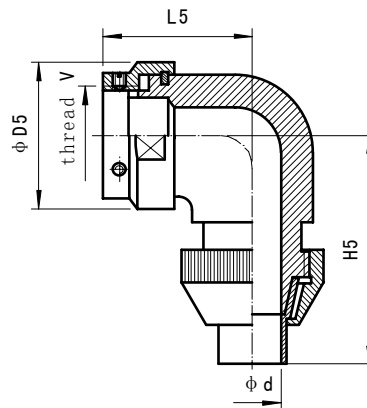
Shell size	Thread V 2B	D2	L2	Cable outlet diameter d
08	0.5000-20 UNF	18.5	29	6.3、7.9、9.5
10	0.6250-24 UNEF	20	29	6.3、7.9、9.5、11.1
12	0.7500-20 UNEF	24	31	6.3、7.9、9.5、11.1、12.7、16
14	0.8750-20 UNEF	28	36	7.9、9.5、11.1、12.7、16
16	1.0000-20 UNEF	30	36	11.1、12.7、16、19
18	1.0625-18 UNEF	34	37	11.1、12.7、16、19、22.2、25.4
20	1.1875-18 UNEF	36	39	11.1、12.7、16、19、22.2、25.4
22	1.3125-18 UNEF	39	39	11.1、12.7、16、19、22.2、25.4
24	1.4375-18 UNEF	42	44	12.7、16、19、22.2、25.4、28.5

[anti-wave tensile resistant type backshell]



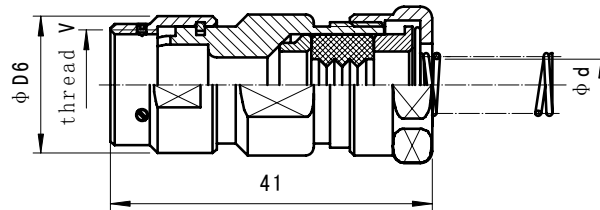
Shell size	Thread V 2B	D4	L4	Cable outlet diameter d
08	0.5000-20 UNF	18	38.5	4、6.4
10	0.6250-24 UNEF	21.7	42	5.7、6.9、8.1、8.9、10
12	0.7500-20 UNEF	25	50.5	5.7、7.1、8.1、9.6、11.1
14	0.8750-20 UNEF	29	58	7.7、8.5、9.6、11、14
16	1.0000-20 UNEF	31	58.5	8.5、12.7
18	1.0625-18 UNEF	35	65	10.9、11.3
20	1.1875-18 UNEF	38	63	11
22	1.3125-18 UNEF	41	63	11.8、13.4、15.7
24	1.4375-18 UNEF	45	63	13.5

[right angle wire protecting type backshell]



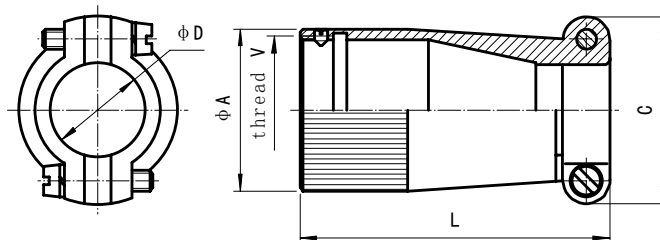
Shell size	Thread V 2B	D5	L5	H5	Cable outlet diameter d
08	0.5000-20 UNF	18	30	35	6.3、7.9、9.5
10	0.6250-24 UNEF	23	33	38.5	6.3、7.9、9.5、11.1
12	0.7500-20 UNEF	25	33.8	38.5	9.5、11.1、12.7、16
14	0.8750-20 UNEF	29	36.3	42.5	11.1、12.7、16、19
16	1.0000-20 UNEF	32	37.1	42.5	12.7、16、19、22.2
18	1.0625-18 UNEF	35	37.1	42.5	12.7、16、19、22.2
20	1.1875-18 UNEF	38	39.3	48.5	12.7、16、19、22.2、25.4
22	1.3125-18 UNEF	41	42.3	51.5	12.7、16、19、22.2、25.4、28.5
24	1.4375-18 UNEF	44	41.3	51.4	12.7、16、19、22.2、25.4、28.5

[Available Backshell]



Shell size	Thread V 2B	D6	Cable outlet diameter d
08	0.5000-20 UNF	18	6.3、7.9、9.5
10	0.6250-24 UNEF	23	6.3、7.9、9.5、11.1
12	0.7500-20 UNEF	25	6.3、7.9、9.5、11.1、12.7、16
14	0.8750-20 UNEF	29	7.9、9.5、11.1、12.7、16
16	1.0000-20 UNEF	32	11.1、12.7、16、19
18	1.0625-18 UNEF	35	11.1、12.7、16、19、22.2、25.4
20	1.1875-18 UNEF	38	11.1、12.7、16、19、22.2、25.4
22	1.3125-18 UNEF	41	11.1、12.7、16、19、22.2、25.4
24	1.4375-18 UNEF	44	12.7、16、19、22.2、25.4、28.5

[“mike” type backshell]



Shell size	Thread V 2B	A	C	D	L
08	0.5000-20 UNF	16.0	18.5	7	25.1
10	0.6250-24 UNEF	19.5	21.6	10	27.1
12	0.7500-20 UNEF	23.0	25.0	12	34.1
14	0.8750-20 UNEF	26.5	29.6	14	44.1
16	1.0000-20 UNEF	29.5	29.6	16	36.1
18	1.0625-18 UNEF	31.0	32.0	18	48.1
20	1.1875-18 UNEF	34.0	33.6	20	52.5
22	1.3125-18 UNEF	37.0	36.5	22	52.5
24	1.4375-18 UNEF	40.5	41.1	24	52.5



F26X Metric series circular electrical

connectors



Designation

[Plug Designation]

Basic series	F26	-12	03	T	J	2	I	-7.5
connector type	X F26 — Metric series circular electrical connectors X—Solder glue sealing, aluminum base anodization with black paint X₃—Solder glue sealing, aluminum base anodization with olive green P — Solder shielding glue sealing aluminum base plated by satin nickel P₂—Solder shielding glue sealing, olive green cadmium plating P₄₀ — Solder shielding glue sealing stainless steel passivation S-Solder shielding glue sealing, copper base plated by satin nickel P₁₅ — Solder shielding glue sealing aluminum base plated by black chrome P₁₈—Solder shielding glue sealing, base plated by satin nickel BW-Solder shielding glue sealing aluminum base plated by olive cadmium							
Shell size	08、10、12、14、16、18、20、22、24							
Number of contacts	See "Insert arrangements"							
Plug identification	T-Plug							
Contact type	J—Pin K—Socket							
Backshell type	1-grounding pressing type 2-clip wire board type 4-anti-wave tensile resistant type 5-right angle wire protecting type 6-"mike" type 6A-elastic wire protecting type							
Polarization	I , II , III, IV and V (III is not marked)							



**Accessori
es cable
outlet
diameter**

Mark the value



[Receptacle Designation]

	F26	X	-12	03	Z	K	10	-2	I	-9.5
Basic series	F26 —Metric series circular electrical connectors									
connector type	X — Solder glue sealing , aluminum base anodization with black paint X ₃ — Solder glue sealing , aluminum base anodization with olive green P — Solder shielding glue sealing, aluminum base plated by satin nickel P ₂ — Solder shielding glue sealing, olive green cadmium plating P ₄₀ — Solder shielding glue sealing, stainless steel passivation S-Solder shielding glue sealing, copper base plated by satin nickel P ₁₅ — Solder shielding glue sealing, aluminum base plated by black chrome P ₁₈ — Solder shielding glue sealing, base plated by satin nickel BW-Solder shielding glue sealing, aluminum base plated by olive drab cadmium H-Glass filled hermetic sealing									
Shell size	08、 10、 12、 14、 16、 18、 20、 22、 24									
Number of contacts	See “Insert arrangements”									
Receptacle identification	Z-Receptacle									
Contact type	J— Pin K— Socket -Bulkhead contact									
Receptacle mounting type	10-Square flange 14-Jam nut mounting									
Backshell type	1-grounding pressing type 2-clip wire board type 4-anti-wave tensile resistant type 5-right angle wire protecting type 6-“mike” type 6A-elastic wire protecting type									
Polarization	I , II, III, IV and V (III is not marked)									
Accessories cable outlet diameter	Mark the value									

Insert arrangement (front face of pin inserts illustrated)



Shell number

08	02 2-φ1.0	03 3-φ1.0	04 4-φ1.0	10 10-φ0.8	
10	06 6-φ1.0	07 7-φ1.0	10 10-φ0.8	05 3-φ0.8 2-φ1.5	13 13-φ0.8
12	03 3-φ1.5	08 8-φ1.0	10 10-φ1.0	07 7-φ1.5	19 19-φ0.8
14	12 8-φ1.0 4-φ1.5	15 14-φ1.0 1-φ1.5	19 19-φ1.0	07 7-φ1.5	
16	08 8-φ1.5	26 26-φ1.0	15 11-φ1 4-φ1.5		
18	08 8-φ2.5	11 11-φ1.5	32 32-φ1.0	19 15-φ1 4-φ1.5	24 14-φ1 10-φ1.5
20	16 16-φ1.5	41 41-φ1.0			
22	21 21-φ1.5	55 55-φ1.0			
24	19 19-φ2.5	61 61-φ1.0			

● φ0.8

○ φ1.0

◐ φ1.5

◑ φ2.5

—Contact size:

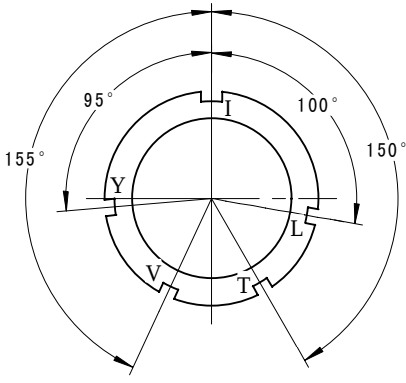
No.	Contact size mm	Rated current A	Contact resistance mΩ	Solder cup IDmm
1	Φ0.8	3	≤6	Φ0.8
2	Φ1.0	5	≤5	Φ1.3
3	Φ1.5	10	≤3	Φ1.7
4	Φ2.5	25	≤2	Φ3.0

—when several contacts are operating at the same time, rated current drop rate:

Number of contacts	1~10	11~20	21~30	31~61
Rated current drop rate %	0	10	20	30

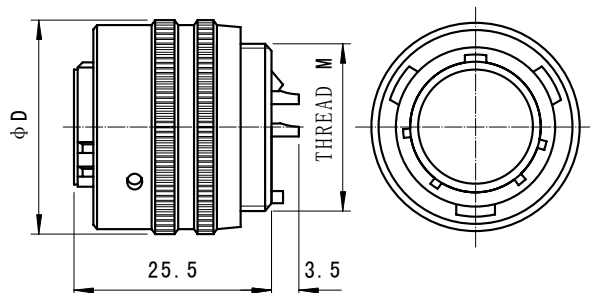
Anti-mismatching keyways (insert rotating in the metallic shell)

In order to avoid mismatching of plug and receptacle with the same insert arrangement and used in the same equipment but with different transmitting signals, we add keys of various angles on the insert out periphery and can rotate and mount products according to user's requirements. See the figure below:

	Polarization	Insert mounting identification	Angle from master keyway I
	I	V	155°
	II	Y	95°
	III	I	0°
	IV	L	100°
	V	T	150°

Outline dimensions

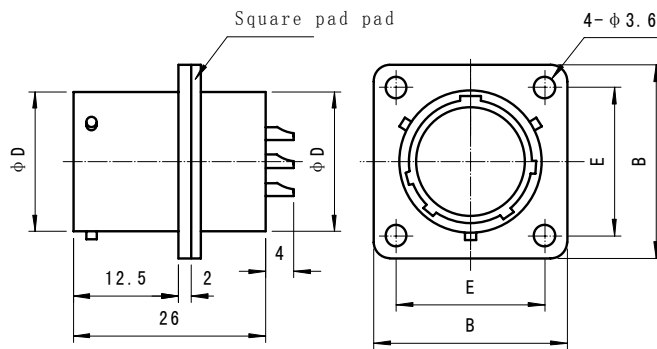
[Plug]



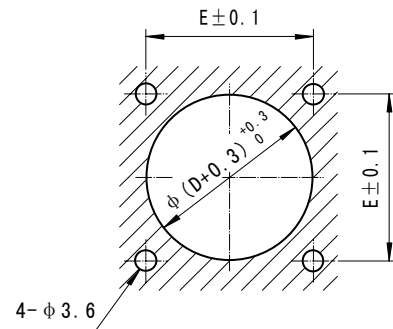
Shell size	D	Thread M
08	20	M14×1
10	23	M18×1
12	26	M20×1
14	30	M24×1
16	33	M27×1
18	36	M30×1
20	39	M33×1.5
22	42	M36×1.5
24	45	M39×1.5



[Square flange receptacle]

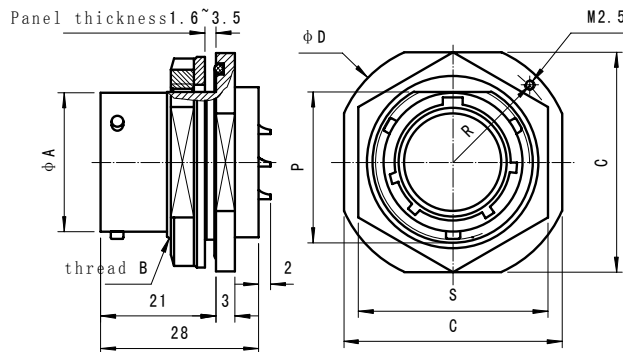


Recommended panel hole size

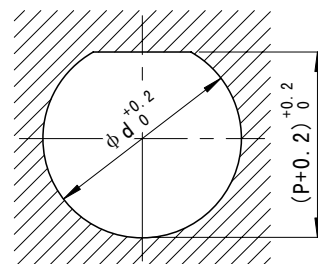


Shell size	D	B	E	Shell size	D	B	E
08	13	21	15	18	29	36	27
10	16	24	18	20	32	39	29
12	20	27	21	22	35	42	32
14	23	30	23	24	38	45	35
16	26	33	25				

[Jam nut receptacle]



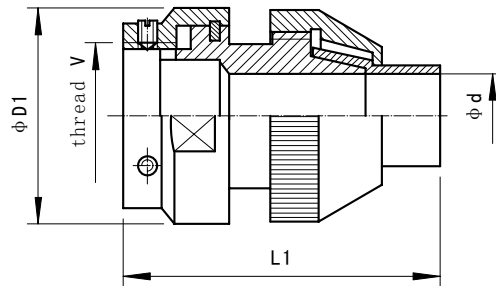
Recommended panel hole size



Shell size	A	Thread B	C	D	S	R	P	d
08	13	M16×1	24	31.2	22	13.4	15	16.5
10	16	M20×1	27	33.2	24	14.4	19	20.5
12	20	M24×1	32	39.2	27	17.4	23	24.5
14	23	M27×1	36	42.2	30	18.9	26	27.5
16	26	M30×1	38	45.2	32	20.0	29	30.5
18	29	M33×1	41	47.2	36	21.7	32	33.5
20	32	M36×1	46	50.2	41	23.0	35	36.5
22	35	M39×1	50	54.2	43	25.0	38	39.5
24	38	M42×1	53	56.2	46	26.0	41	42.5

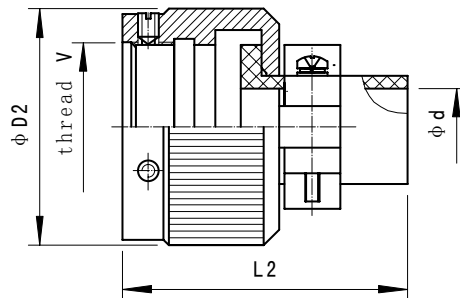
Available Backshell

[grounding pressing type backshell]



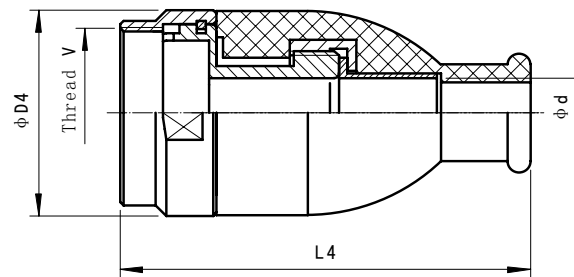
Shell size	Thread V	D1	L1	Cable outlet diameter d
08	M14×1	18	39	6.3、7.9、9.5
10	M18×1	22.5	39	6.3、7.9、9.5、11.1、12.7、16
12	M20×1	25	39	6.3、7.9、9.5、11.1、12.7、16、19
14	M24×1	29	39	7.9、9.5、11.1、12.7、16、19
16	M27×1	33	39	11.1、12.7、16、19、22.2
18	M30×1	36	39	11.1、12.7、16、19、22.2、25.4
20	M33×1.5	39	39	9.5、11.1、12.7、16、19、22.2、25.4
22	M36×1.5	42	39	11.1、12.7、16、19、22.2、25.4
24	M39×1.5	46	39	12.7、16、19、22.2、25.4、28.5、31.8

[clip wire board type backshell]



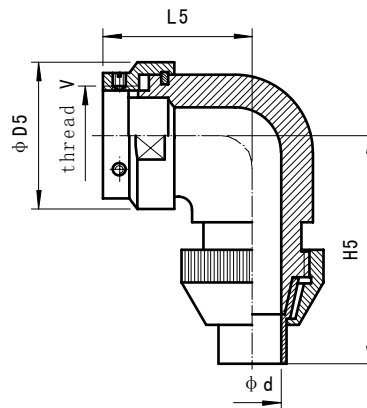
Shell size	Thread V	D2	L2	Cable outlet diameter d
08	M14×1	18	31	6.3、7.9、9.5
10	M18×1	22	31	6.3、7.9、9.5、11.1
12	M20×1	24	33	6.3、7.9、9.5、11.1、12.7、16
14	M24×1	28	39	5、7.9、9、9.5、11.1、12、12.7、16
16	M27×1	31	39	11.1、12.7、16、19
18	M30×1	34	39	11.1、12.7、16、19、22.2、25.4
20	M33×1.5	37	40.5	11.1、12.7、16、19、22.2、25.4
22	M36×1.5	41	40.5	11.1、12.7、16、19、22.2、25.4
24	M39×1.5	43	40.5	12.7、16、19、22.2、25.4、28.5

[anti-wave tensile resistant type backshell]



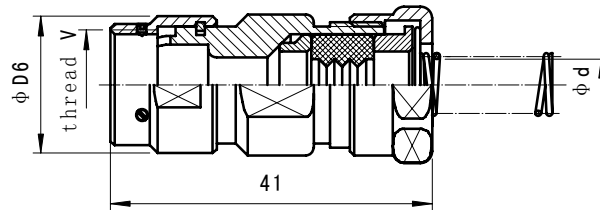
Shell size	Thread V	D4	L4	Cable outlet diameter d
08	M14×1	18	39	4、6.4、8.1
10	M18×1	22.5	42.5	5.7、6.9、8.1、8.9、10
12	M20×1	25	50.5	5.7、7.1、8.1、9.6、11.1
14	M24×1	29	58	8.5、9.6、11、12.7
16	M27×1	32	58.5	8.5、12.7
18	M30×1	36	65	10.9、11.3
20	M33×1.5	38	63	11、15.7
22	M36×1.5	42	63	11.8、13.4、15.7
24	M39×1.5	44.5	63	13.5

[right angle wire protecting type backshell]



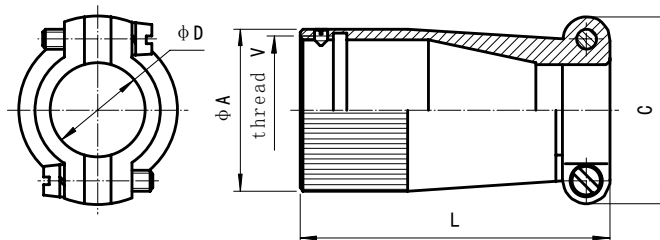
Shell size	Thread V	D5	L5	H5	Cable outlet diameter d
08	M14×1	18	30	35	6.3、7.9、9.5
10	M18×1	22.5	33	38.5	6.3、7.9、9.5、11.1
12	M20×1	25	33.8	38.5	7.9、9.5、11.1、12.7、16
14	M24×1	29	36.3	42.5	11.1、12.7、16、19
16	M27×1	33	37.1	42.5	12.7、16、19、22.2
18	M30×1	36	37.1	42.5	12.7、16、19、22.2
20	M33×1.5	39	39.3	48.5	12.7、16、19、22.2、25.4
22	M36×1.5	42	42.3	51.5	12.7、16、19、22.2、25.4、28.5
24	M39×1.5	46	41.3	51.4	12.7、16、19、22.2、25.4、28.5

[elastic wire protecting type backshell]



Shell size	Thread V	D6	Cable outlet diameter d
08	M14×1	18	6.3、7.9、9.5
10	M18×1	22.5	6.3、7.9、9.5、11.1
12	M20×1	25	6.3、7.9、9.5、11.1、12.7、16
14	M24×1	29	7.9、9.5、11.1、12.7、16
16	M27×1	33	11.1、12.7、16、19
18	M30×1	36	11.1、12.7、16、19、22.2、25.4
20	M33×1.5	39	11.1、12.7、16、19、22.2、25.4
22	M36×1.5	42	11.1、12.7、16、19、22.2、25.4
24	M39×1.5	46	12.7、16、19、22.2、25.4、28.5

[“mike” type backshell]



Shell size	Thread V 2B	A	C	D	L
08	M14×1	17.0	18.5	7	23
10	M18×1	20.3	20.0	10	31
12	M20×1	22.7	25.0	12	37
14	M24×1	26.8	27.0	14	46
16	M27×1	29.8	29.6	16	51
18	M30×1	32.8	32.0	18	54
20	M33×1.5	35.5	33.0	20	54
22	M36×1.5	38.8	36.6	22	54
24	M39×1.5	41.8	36.6	24	54



F26Z X Power Circular Electrical Connectors



Designation

[PlugDesignation]

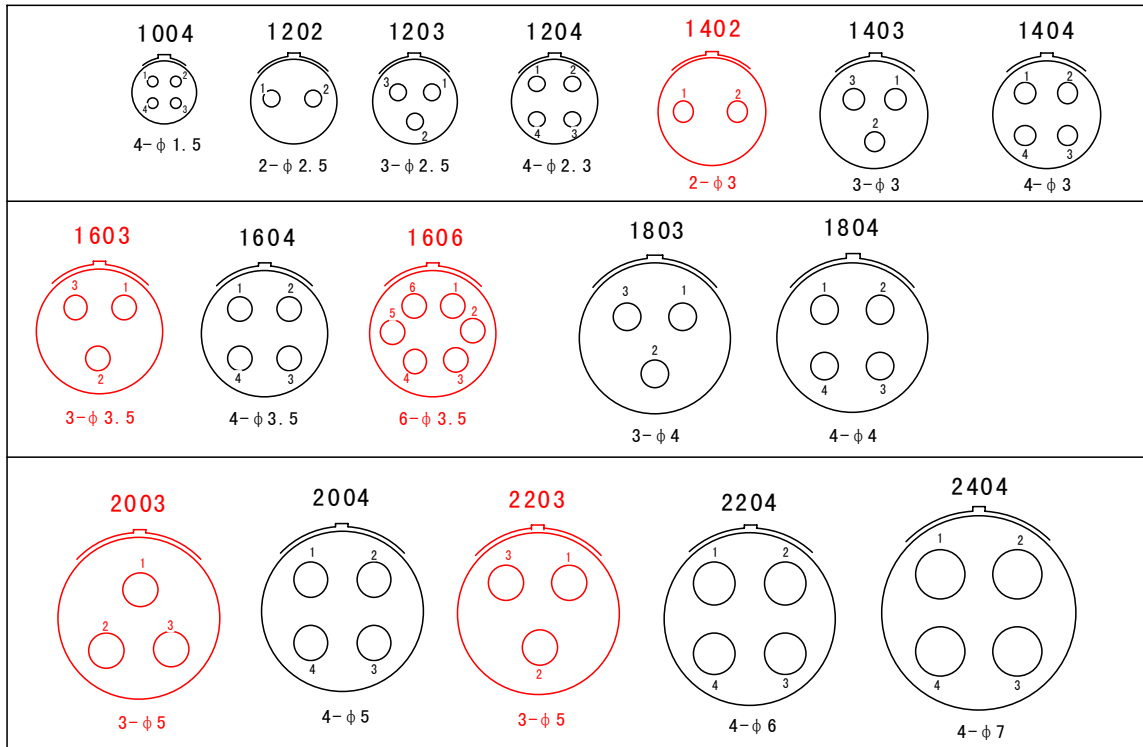
	F26` X F26Z	-14	04	T	J	2	I	-5
Basic series	—F26 Power Circular Electrical Connectors							
connector type	X—Solder glue sealing , aluminum base anodization with black paint							
	X ₃ —Solder glue sealing , aluminum base anodization with olive green							
	P—Solder shielding glue sealing, aluminum base plated by satin nickel							
	P ₂ —Solder shielding glue sealing , olive green cadmium plating							
	P ₄₀ —Solder shielding glue sealing, stainless steel passivation							
	S-Solder shielding glue sealing, copper base plated by satin nickel							
	P ₁₅ —Solder shielding glue sealing, aluminum base plated by black chrome							
	P ₁₈ —Solder shielding glue sealing, base plated by satin nickel							
	BW-Solder shielding glue sealing, aluminum base plated by olive drab cadmium							
Shell size	10、12、14、16、18、20、22、24							
Number of contacts	See “Insert arrangements”							
Plug identification	T-Plug							
Contact type	J—Pin K—Socket							
Backshell type	1-grounding pressing type 2- clip wire board type 4-anti-wave tensile resistant type							
	5-right angle wire protecting type 6-"mike" type 6A-elastic wire protecting type							
Polarization	I , II , III, IV and V （III is not marked）							
Accessories cable outlet diameter								



[Receptacle Designation]

	F26` X	-14	04	Z	K	10	I
Basic series	F26F — F26 Power Circular Electrical Connectors						
connector type	X — Solder glue sealing , aluminum base anodization with black paint X ₃ — Solder glue sealing , aluminum base anodization with olive green P—Solder shielding glue sealing, aluminum base plated by satin nickel P ₂ —Solder shielding glue sealing, olive green cadmium plating P ₄₀ —Solder shielding glue sealing, stainless steel passivation S-Solder shielding glue sealing, copper base plated by satin nickel P ₁₅ —Solder shielding glue sealing, aluminum base plated by black chrome P ₁₈ —Solder shielding glue sealing, base plated by satin nickel BW-Solder shielding glue sealing, aluminum base plated by olive drab cadmium						
Shell size							
Number of contacts	See “Insert arrangements”						
Receptacle identification	Z-Receptacle						
Contact type	J—Pin K—Socket S—Bulkhead contact						
Backshell type	10-Square flange 14-Jam nut mounting						
Receptacle mounting style	10—Square flange 14-Jam nut mounting						
Polarization	I , II, III, IV and V (III is not marked)						

Insert arrangement (front face of pin inserts illustrated)

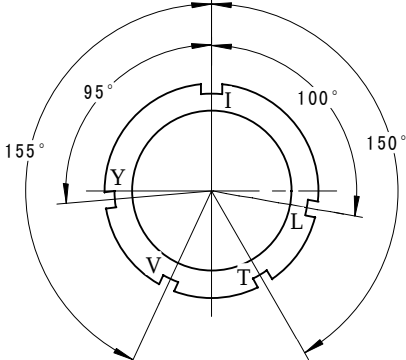


—Contact size:

No.	Contact size mm	Rated current A	Contact resistance mΩ	Solder cup ID mm
1	Φ1.5	10	≤3	Φ1.7
2	Φ2.3	20	≤2.5	Φ2.5
3	Φ2.5	25	≤2	Φ2.5
4	Φ3.0	50	≤1	Φ3.3
5	Φ3.5	50	≤1	Φ4.0
6	Φ4.0	60	≤1	Φ4.0
7	Φ5.0	75	≤1	Φ6.5
8	Φ6.0	100	≤1	Φ6.5
9	Φ7.0	100	≤1	Φ7.5

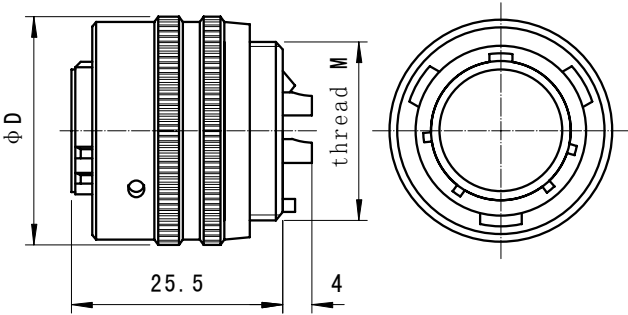
Anti-mismatching keyways (insert rotating in the metallic shell)

In order to avoid mismatching of plug and receptacle with the same insert arrangement and used in the same equipment but with different transmitting signals, we add keys of various angles on the insert out periphery and can rotate and mount products according to user's requirements. See the figure below:

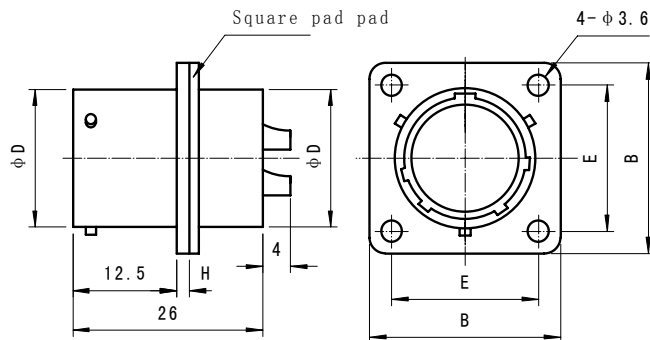
	Polarization	Insert mounting identification	Angle from master keyway I
	I	V	155°
	II	Y	95°
	III	I	0°
	IV	L	100°
	V	T	150°

Outline dimensions

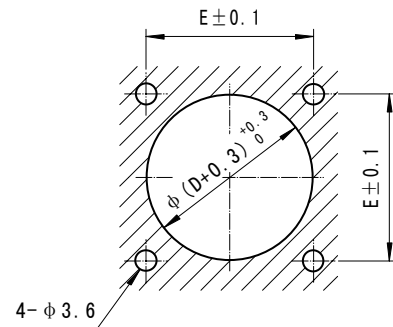
[Plug]

	Shell size	D	Thread M
	10	23	M18×1
	12	26	M20×1
	14	30	M24×1
	16	33	M27×1
	18	36	M30×1
	20	39	M33×1.5
	22	42	M36×1.5
	24	45	M39×1.5

[Square flange receptacle]

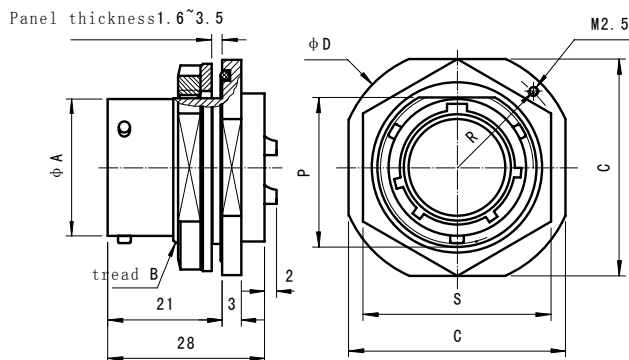


Recommended panel hole size

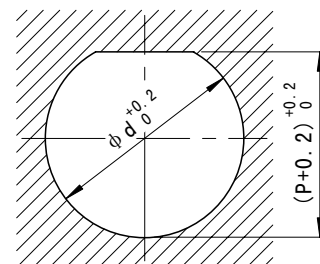


Shell size	H	D	B	E	Shell size	H	D	B	E
10	1.5	16	24	18	18	2	29	36	27
12	2	20	27	21	20	2	32	39	29
14	2	23	30	23	22	2	35	42	32
16	2	26	33	25	24	2	38	45	35

[Jam nut receptacle]



Recommended panel hole size



Shell size	A	Thread B	C	D	S	R	P	d
10	16	M20×1	27	33.2	24	14.4	19	20.5
12	20	M24×1	32	39.2	27	17.4	23	24.5
14	23	M27×1	36	42.2	30	18.9	26	27.5
16	26	M30×1	38	45.2	32	20.0	29	30.5
18	29	M33×1	41	47.2	36	21.7	32	33.5
20	32	M36×1	46	50.2	41	23.0	35	36.5
22	35	M39×1	50	54.2	43	25.0	38	39.5
24	38	M42×1	53	56.2	46	26.0	41	42.5

See available backshells in catalog of F26Z series.