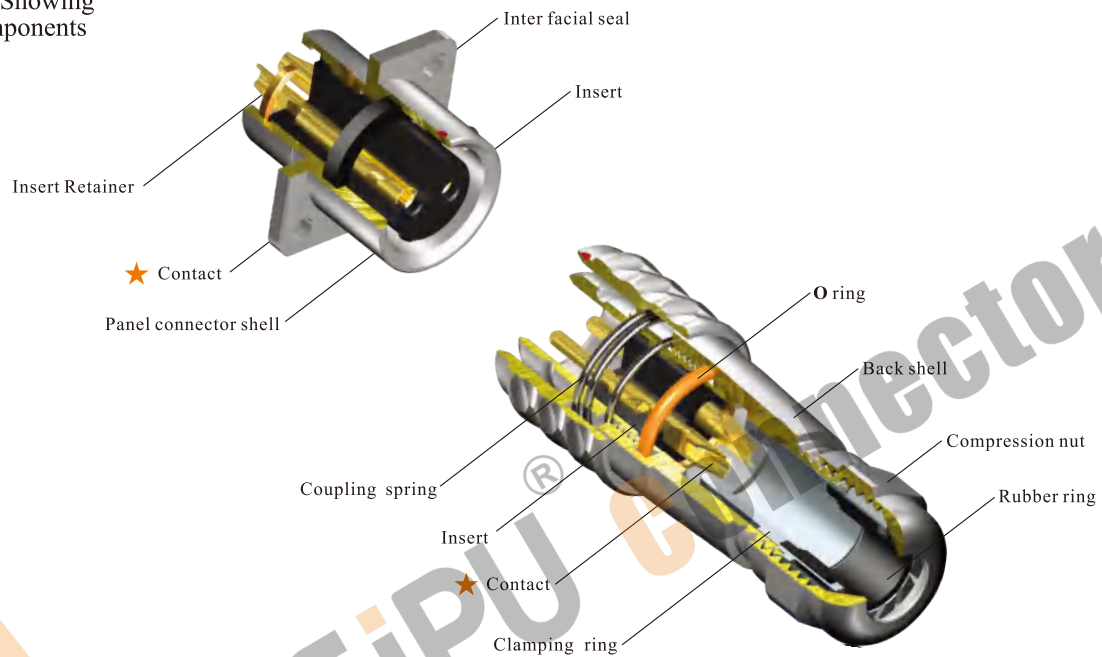


IP67

04

● Part Section Showing Internal Components



★ Each side can be male or female contact

Material and spec

Coupling	Push-pull	
Shell material	Brass with chrome plating	
Insert material	PPS , max temperature 260℃ Data: PBT, PVC	
Contact material	Brass with gold plating	
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20, SF24 Crimp: SF16, SF20, SF24 Screw: SF20, SF24(Ø2.5mm contact)	
Cable outer diameter range	SF6: I: 2-3mm, II: 3-4mm SF8: I: 3-4mm, II: 4-5mm SF10: I: 3-4mm, II: 4-6.5mm SF12: I: 4-6.5mm, II: 5-8mm	SF16: I: 5-8mm, II: 8-12mm SF20: I: 5-9mm, II: 8-12mm SF24: 10-14mm
IP rating	IP67 (mated)	
Mating cycle	500 USB:1000	
Working temperature range	-40℃ ~ +85℃ Data : -20℃ ~ +70℃	
Insulation resistance	2000MΩ	
Transmission Speed	Cat 5: 100Mbps Cat 6: 100-1000Mbps	

SF16 Series

**SF
16**

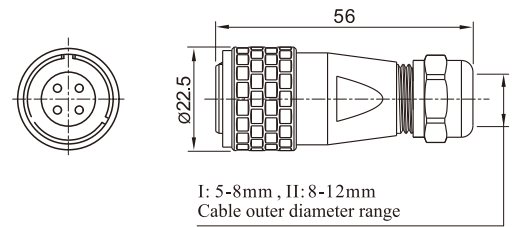


Cable connector
Mate with SF1611, SF1612,
SF1613, SF1615

SF1610 / P — SF1610 / S

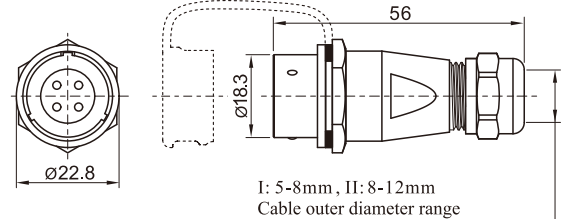
Male contact

I: solder, 3: crimp
Cable outer diameter
I: 5-8mm, II: 8-12mm
Number of contact
Female contact



In-line cable connector
Mate with SF1610

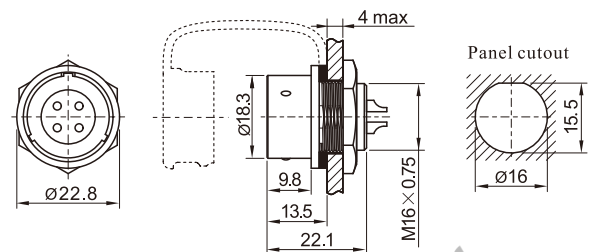
SF1611 / P — SF1611 / S



Rear-nut mount
Mate with SF1610

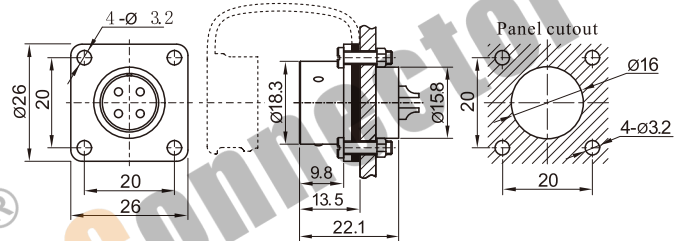
SF1612 / P — SF1612 / S

I: solder, 3: crimp
Number of contact



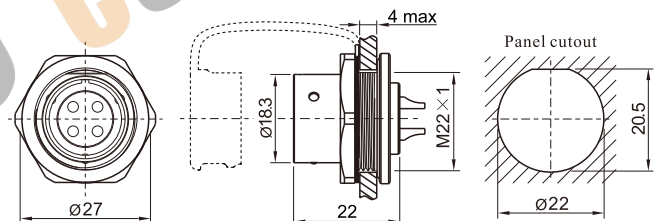
Square flange
Mate with SF1610

SF1613 / P — SF1613 / S



Front-nut mount
Mate with SF1610

SF1615 / P — SF1615 / S



Solder contact spec

★ Crimp contact spec see P22

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1X4	Ø2X2	Ø2X3	Ø2X4	Ø1X5	Ø1X7	Ø1X9	Ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

SF16 Anti-bending



SF16

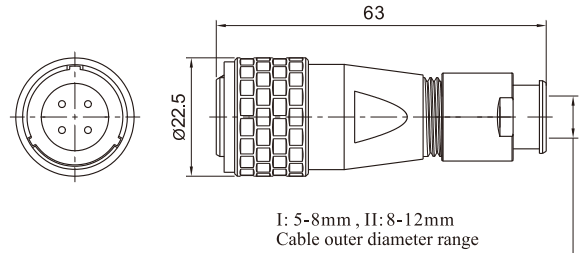


Cable connector
Mate with SF1611S, SF1612, SF1613, SF1615

SF1610S/P — — — SF1610S/S — — —

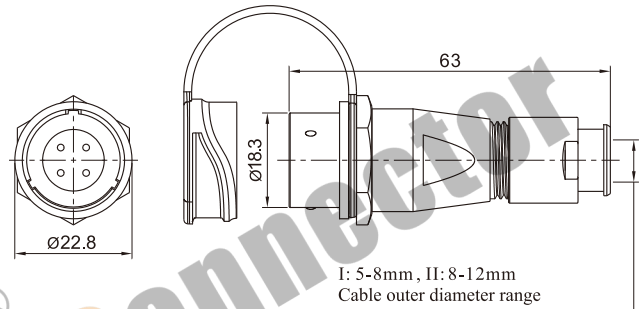
Male contact

I: solder, 3: crimp
Cable outer diameter
I: 5-8mm, II: 8-12mm
Number of contact
Female contact



In-line cable connector
Mate with SF1610S

SF1611S/P — — — SF1611S/S — — —



Note: The bend relief must be ordered separately (page 04-20)

Solder contact spec

★ Crimp contact spec see P22

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1X4	Ø2X2	Ø2X3	Ø2X4	Ø1X5	Ø1X7	Ø1X9	Ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18