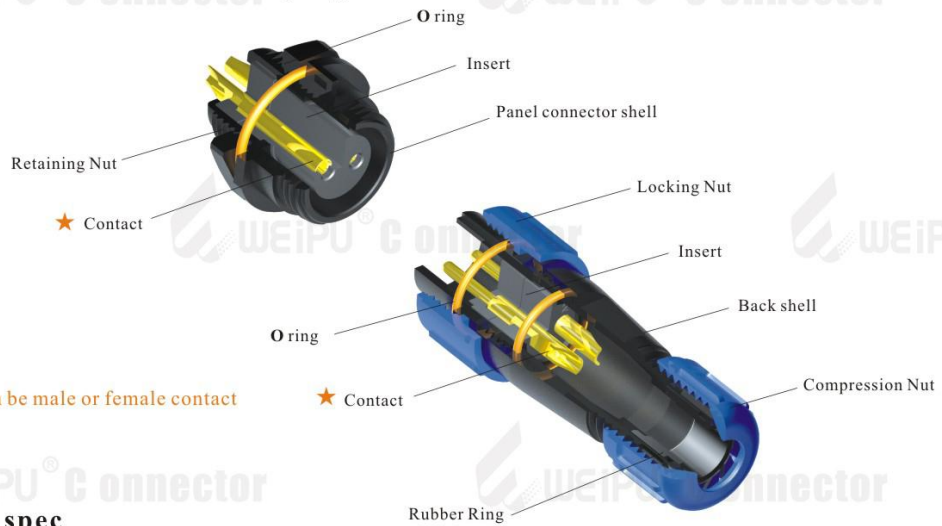




● SP13/SP17/SP21 IP68 Threaded coupling



★ Each side can be male or female contact

**Material and spec**

Product type	Connector	Overmolded Cable Assemblies
Coupling	Threaded coupling	Threaded coupling
Shell material	Nylon66, fire resistance : V-0	PC、PVC, fire resistance:V-0; Locking nut material: Anodized aluminum
Insert material	PPS max temperature 260℃, fire resistance : V-0	PPS max temperature 260℃, fire resistance : V-0
Contact material	Brass with gold plating	Brass with gold plating
Termination	SP13:solder, SP17:solder/crimp, SP21:solder / screw/crimp	
Cable outer diameter range	SP13 I: 4-6.5mm SP13 II: 5-8mm SP17 :6-10mm SP21 I: 4.5-7mm SP21 II:7-12mm	
IP rating	IP68	IP66
Mating cycle	>500	>500
Temperature range	-25℃~+85℃	-20℃~+85℃
Insulation resistance MΩ	2000	2000

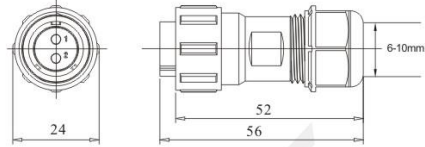
**SP  
17**

**SP17 Series IP68**



SP1710 / P --- SP1710 / S ---

**Cable connector**  
Mate with SP1711, SP1712

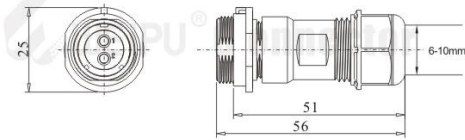


C: with cap, N: without cap  
1: solder, 3: crimp  
Number of contact: 2, 3, 4, 5, 7, 9, 10



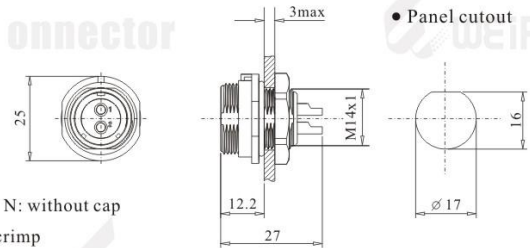
SP1711 / P --- SP1711 / S ---

**In-line cable connector**  
Mate with SP1710



SP1712 / P --- SP1712 / S ---

**Front mount**  
Mate with SP1710



C: with cap, N: without cap  
1: solder, 3: crimp  
Number of contact: 2, 3, 4, 5, 7, 9, 10

**Contact arrangement and spec for solder**

★ For crimp spec see P49-P52

Number of contact	2	3	4	5	7	9	10
Male contact face view							
Rated current (A)	10A	10A	5A	5A	5A	5A	5A
Contact diameter	∅ 1.5X2	∅ 1.5X3	∅ 1X4	∅ 1X5	∅ 1X7	∅ 1X9	∅ 1X10
Rated voltage (AC.V)	500V	500V	500V	500V	400V	400V	400V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1200V	1200V	1200V
Contact resistance mΩ	2.5	2.5	5	5	5	5	5
Wire size mm <sup>2</sup> /AWG	≤ 2/14	≤ 2/14	≤ 0.785/18	≤ 0.785/18	≤ 0.785/18	≤ 0.785/18	≤ 0.785/18

★ Crimp contact arrangement and spec for WS,WF,WY,WP,SP,SY series

WS16、WF16、WY16 SP17、SY17	2	3	4
Male contact face view			
Rated current (A)	10A	10A	5A
Contact diameter	∅1.5X2	∅1.5X3	∅1X4
Rated voltage (AC.V)	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V
Contact resistance mΩ	2.5	2.5	5
Insulation resistanceMΩ	2000	2000	2000