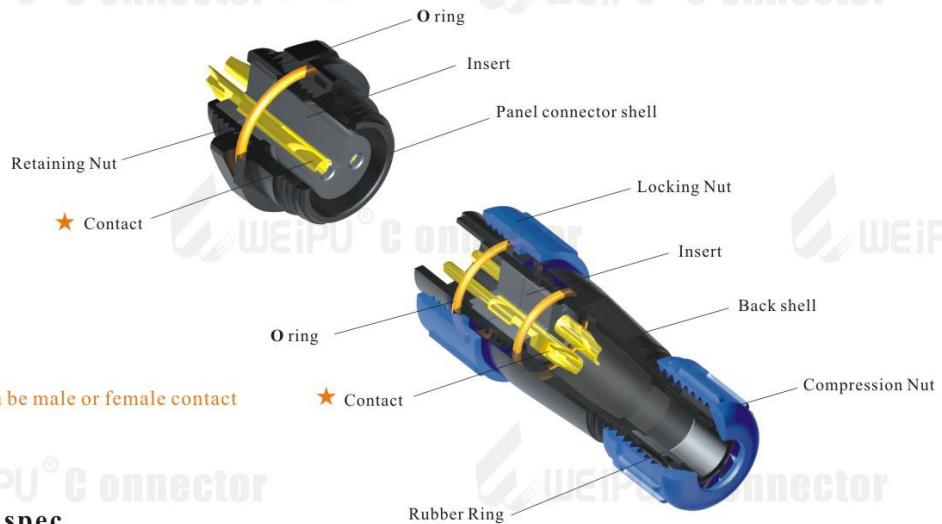




● SP13/SP17/SP21 IP68 Threaded coupling



★ 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

## SP13 Series IP68

**SP  
13**

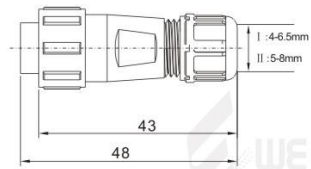
### Cable connector

Mate with SP1311, SP1312



SP1310/P

SP1310/S



C: with cap, N: without cap  
Cable outer diameter: I: 4-6.5mm, II: 5-8mm  
Number of contact: 2, 3, 4, 5, 6, 7, 9

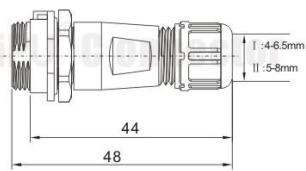
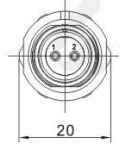
### In-line cable connector

Mate with SP1310



SP1311/P

SP1311/S



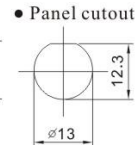
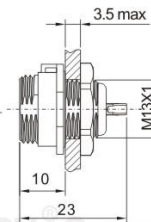
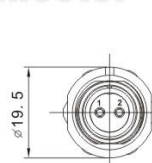
### Front mount

Mate with SP1310



SP1312/P

SP1312/S



C: with cap, N: without cap  
Number of contact: 2, 3, 4, 5, 6, 7, 9

## Contact arrangement and spec for solder termination

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13A	13A	5A	5A	5A	5A	3A
Contact diameter	∅ 1.6X2	∅ 1.6X3	∅ 1X4	∅ 1X5	∅ 1X6	∅ 1X7	∅ 0.7X9
Rated voltage (AC.V)	250V	250V	200V	180V	125V	125V	125V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1000V	1000V	1000V	1000V
Contact resistance mΩ	2	2	5	5	5	5	10
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