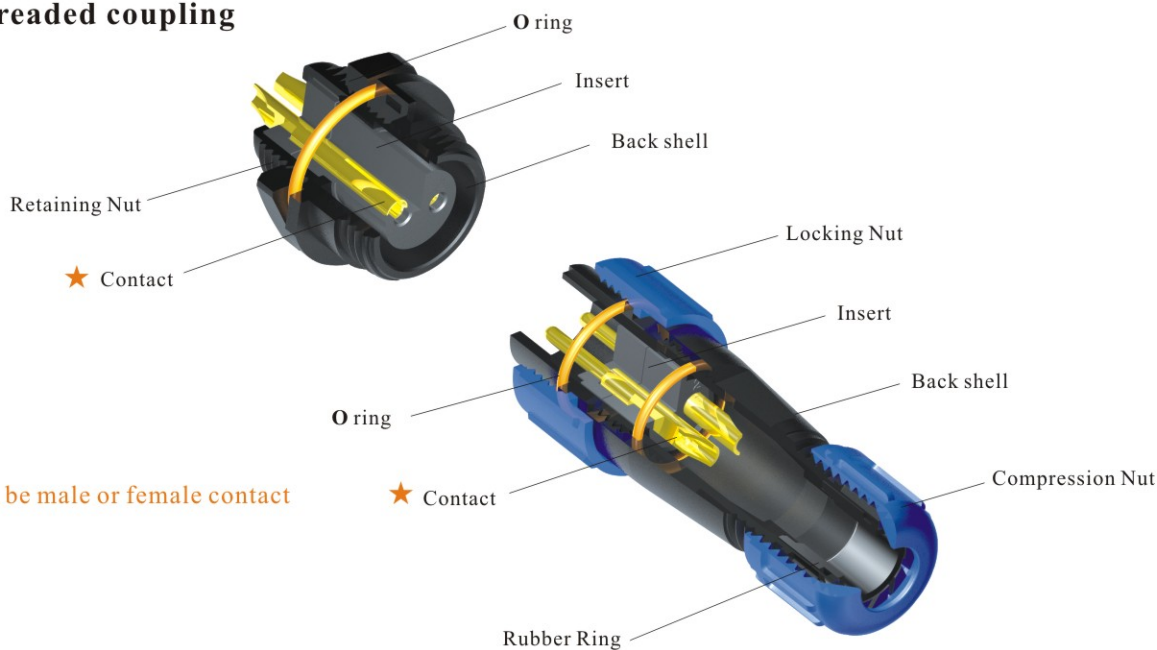




● IP68 Threaded coupling



★ Each side can be male or female contact

Material and spec

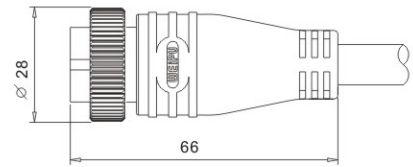
Product model	Connector	Overmolded Cable Assemblies
Coupling	Threaded coupling	Threaded coupling
Shell material	Nylon66, fire resistance : V-0	PC、PVC,fire resistance:V-0;Anodizing Aluminium Proess
Insert material	PPS max temperature 260 °C	PPS max temperature 260 °C
Contact material	Brass with gold plating	Brass with gold plating
Termination	SP13:solder, SP17:solder, SP21:solder / screw	
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	IP68
Mating cycle	>500	>500
Temperature range	-25°C ~ +85°C	-20°C ~ +85°C
Insulation resistance MΩ	2000	2000

**Overmolded Cable Assemblies: SP21 Series IP68**



**Single ended plug assembly**

Mate with SP2111,SP2112,  
SP2113,SP2115



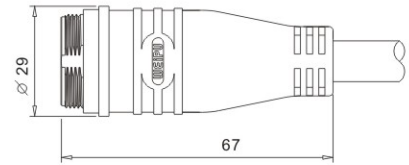
SP2114 / P— SP2114 / S—

Number of contact: 2. 3. 4. 5. 5B.5C.7. 9.12



**Single ended in-line receptacle assembly**

Mate with SP2110,SP2114



SP2115 / P— SP2115 / S—

Double ended extension assembly  
-plug & receptacle



Double ended plug assembly  
-plug & plug



Double ended in-line receptacle assembly  
-receptacle & receptacle



SP2114 / — + SP2115 / —

SP2114 / — + SP2114 / —

SP2115 / — + SP2115 / —

Number of contact: 2. 3. 4. 5. 5B.5C.7. 9.12

P:male contact S:female contact

The plugs and receptacles are available with male contact or female contact

**Contact arrangement and spec**

Number of contact	2	3	4	5	5B	5C	7	9	12
Male contact face view									
Rated current (A)	20A	20A	20A	20A	4A. 20A	12A	12A	4A	4A
Contact diameter	∅ 3X2	∅ 3X3	∅ 3X4	∅ 3X5	∅ 1X3 ∅ 3X2	∅ 2X5	∅ 2X7	∅ 1X9	∅ 1X12
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	400V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1200V
Contact resistance mΩ	1	1	1	1	5.1	2.5	2.5	5	5
Wire size mm <sup>2</sup> /AWG	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 0.5 ≤ 2.5	≤ 1.5	≤ 1.5	≤ 0.5	≤ 0.5
Cable Color	1- black 2- white	3- red	4- yellow 5- green	6- brown 7- blue	8- orange 9- purple	10- grey 11- pink	12- light green		