

Circular Inline Wet-Mate Underwater Connector



The PSE229 is a rugged, subsea inline connector designed to provide a dependable in-water interface for power and stable signal transmission to underwater instruments and systems. Available in 1, 2, 3, 4, 5, 6, 8, 10, 12, 16, and 25-contact configurations, the PSE229 is built with a durable rubber contact face and offers rubber or metal body options for different mechanical and corrosion requirements. It's designed for subsea serviceability, is safe to plug/unplug underwater with power turned off, and supports cable assembly services and configurable cable lengths for streamlined integration.

Build Your Part Number

Example: **PSE229M8C1200**

Series	
PSE229	

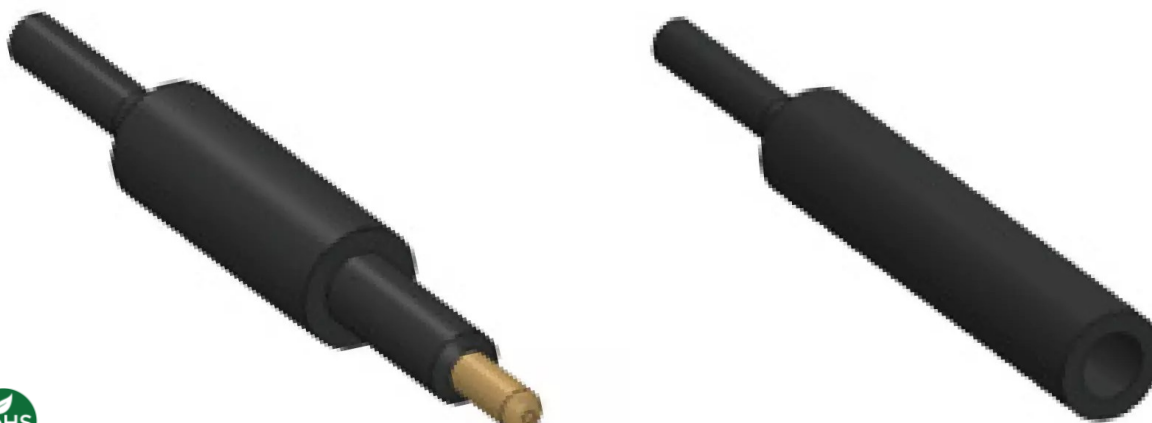
Type - select one	
M	Male
F	Female

Contacts - select one (view specs on pages 2-6)	
1C	1 Contacts
2C	2 Contacts
3C	3 Contacts
4C	4 Contacts
5C	5 Contacts
6C	6 Contacts
8C	8 Contacts
10C	10 Contacts
12C	12 Contacts
16C	16 Contacts
25C	25 Contacts

Cable Length – specify in feet	
XX	Cable length in feet (ex. 1200 feet = 1200)

Note: Cabling, contacts, and connector configuration can be customized per customer specification

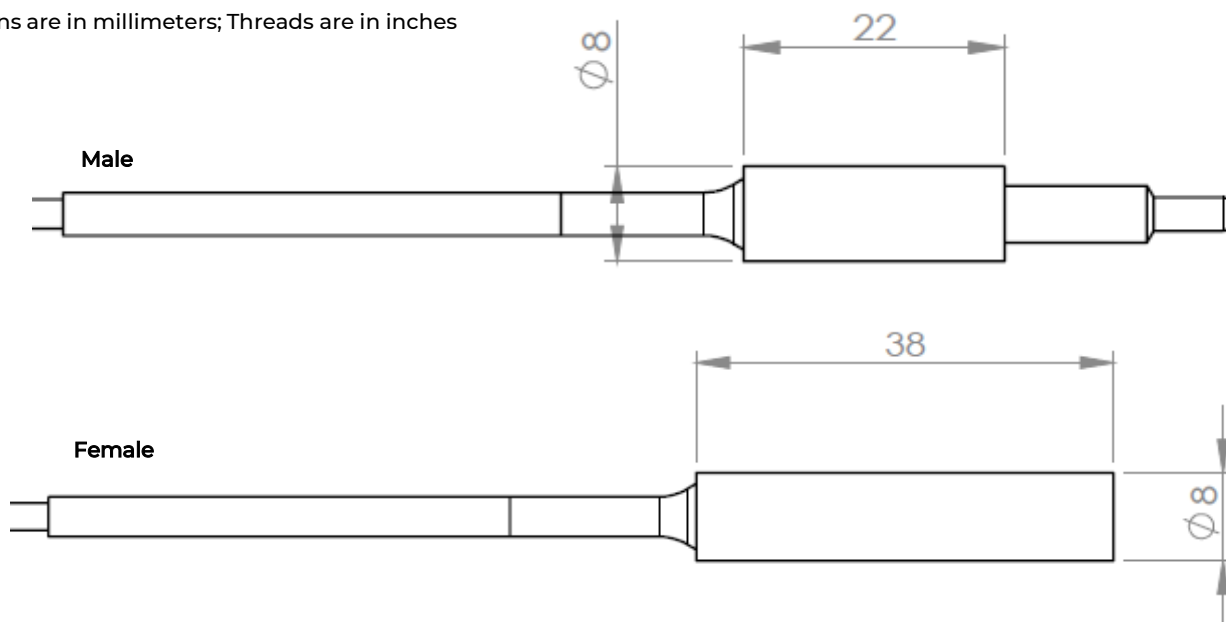
1 Contact



Operation Specification	
Max. voltage	600 V DC
Current rating @contact	10A
Insulation resistance	>200 Mohm
Contact resistance	<0.01 ohm
Depth rating	600 bar
Temperature rating	-40 to 60 °C

Material Specification	
Connector body	Chloroprene rubber
Contact	Gold plated brass
Socket	Gold plated beryllium copper
Inline cable	AWG 18 Neoprene, 60cm

Dimensions are in millimeters; Threads are in inches



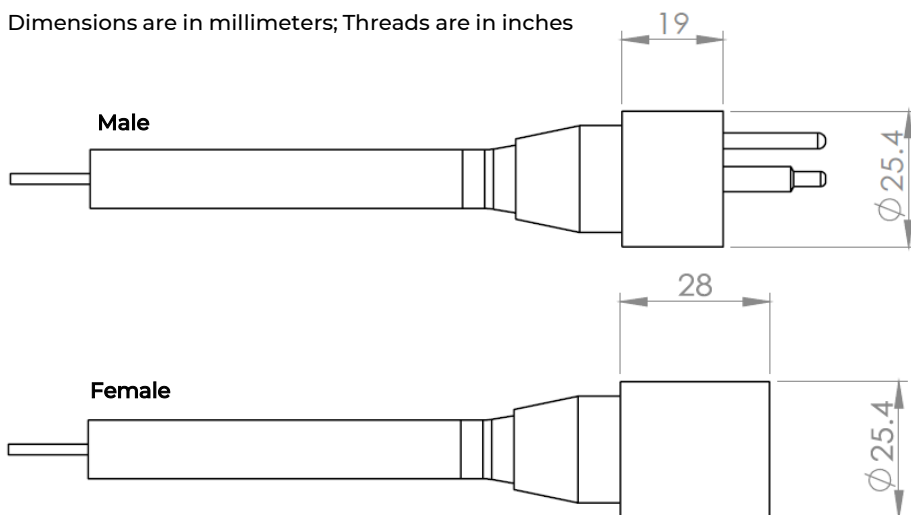
2, 3, 4, and 5 Contacts



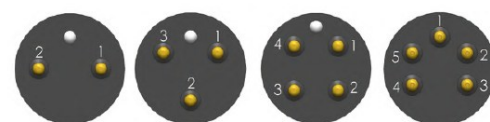
Operation Specification	
Max. voltage	600 V DC
Current rating @contact	10A
Max. current @connector	Contact 2: 20A
	Contact 3,4,5: 30A
Insulation resistance	>200 Mohm
Contact resistance	<0.01 ohm
Depth rating	600 bar
Temperature rating	-40 to 60°C

Material Specification	
Connector body	Chloroprene rubber
Contact	Gold plated brass
Socket	Gold plated beryllium copper
Location pin	Contact 2,3,4: Stainless steel 316
	Contact 5: N/A
Inline cable	Contact 2,3,4: AWG 16 Neoprene, 60cm
	Contact 5: AWG 18 Neoprene, 60cm

Dimensions are in millimeters; Threads are in inches



Face View (Male)



Wiring Color Code

- 1 Black
- 2 White
- 3 Red
- 4 Green
- 5 Orange

(3 Conductor code: 1 Black, 2 White, 3 Green)

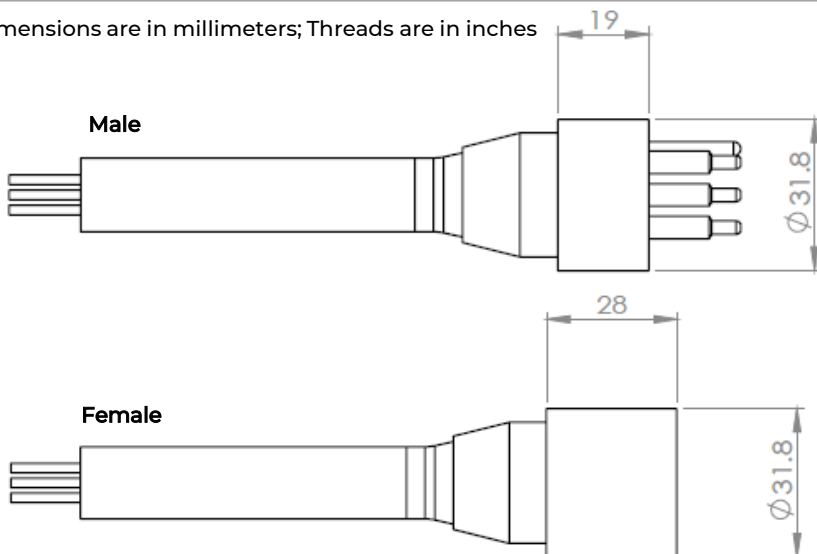
6, 8, and 10 Contacts



Operation Specification	
Max. voltage	600 V DC
Current rating @contact	10A
Max. current @connector	50A
Insulation resistance	>200 Mohm
Contact resistance	<0.01 ohm
Depth rating	600 bar
Temperature rating	-40 to 60°C

Material Specification	
Connector body	Chloroprene rubber
Contact	Gold plated brass
Socket	Gold plated beryllium copper
Location pin	Contact 6: Stainless steel 316
	Contact 8,10: N/A
Inline cable	Contact 6,8: AWG 16 Neoprene, 60cm
	Contact 10: AWG 18 Neoprene, 60cm

Dimensions are in millimeters; Threads are in inches



Face View (Male)



Wiring Color Code

- 1 Black 4 Green 7 White/black 10 Orange/black
- 2 White 5 Orange 8 Red/black
- 3 Red 6 Blue 9 Green/black

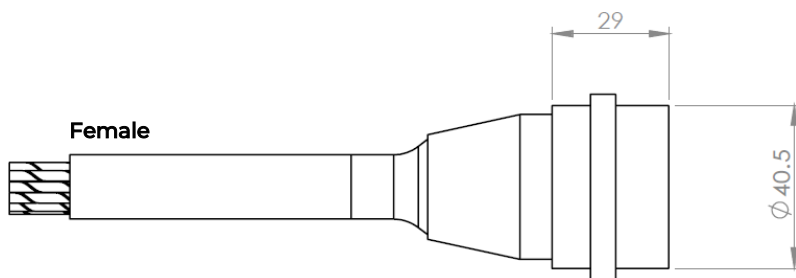
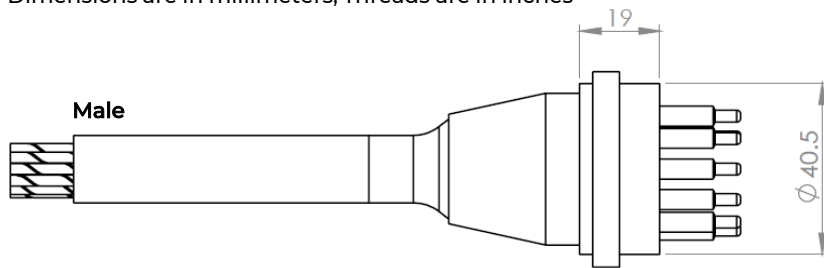
12 and 16 Contacts



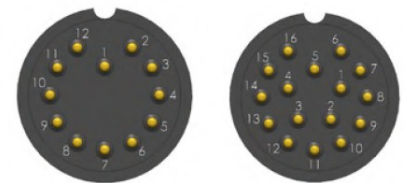
Operation Specification	
Max. voltage	600 V DC
Current rating @contact	10A
Max. current @connector	60A
Insulation resistance	>200 Mohm
Contact resistance	<0.01 ohm
Depth rating	600 bar
Temperature rating	-40 to 60°C

Material Specification	
Connector body	Chloroprene rubber
Contact	Gold plated brass
Socket	Gold plated beryllium copper
Inline cable	AWG 18 Neoprene, 60cm

Dimensions are in millimeters; Threads are in inches



Face View (Male)



Wiring Color Code

- 1 Black
- 2 White
- 3 Red
- 4 Green
- 5 Orange
- 6 Blue
- 7 White/black
- 8 Red/black
- 9 Green/black
- 10 Orange/black
- 11 Blue/black
- 12 Black/white
- 13 Red/white
- 14 Green/white
- 15 Blue/white
- 16 Black/red

25 Contacts



Operation Specification	
Max. voltage	600 V DC
Current rating @contact	3 POWER CONTACTS 10A
	22 SIGNAL CONTACTS 5A
Max. current @connector	60A
Insulation resistance	>200 Mohm
Contact resistance	<0.01 ohm
Depth rating	600 bar
Temperature rating	-40 to 60°C

Material Specification	
Connector body	Chloroprene rubber
Contact	Gold plated brass
Socket	Gold plated beryllium copper
Inline cable	3 x 18 AWG ☒ 22 X 20 AWG PUR, 60cm

Dimensions are in millimeters; Threads are in inches

Face View (Male)

