SubConn® High Power
4 contacts

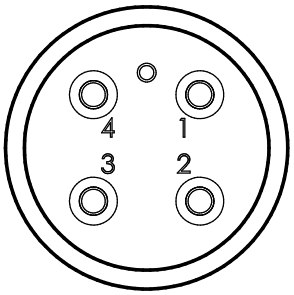
Connector specifications

Voltage rating	600 V DC/AC rms
Current rating (water)	50 A per contact (max 200 A per connector)
Insulation resistance	> 200 MΩ
Contact resistance	< 0.01 Ω
Wet matings	> 500
Temperature rating (water)	- 4 to 60˚C, 25 to 140˚F
Temperature rating (air)	- 40 to 60˚C, - 40 to 140˚F
Storage temperature rating	- 40 to 60˚C, - 40 to 140˚F
Qualified pressure tested	800 bar, 11,600 psi (open face)
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

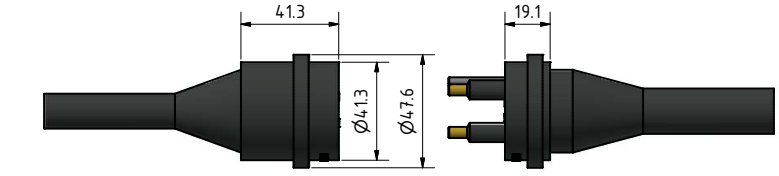
Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium or anodised aluminium
Contacts	Brass UNS - C36000
Location pin	Stainless steel AISI 303
O-rings	Nitrile
Locking sleeves	POM or stainless steel
Snap rings	Stainless steel AISI 302
Inline cable (2 ft, 60 cm)	8 AWG, 8.36 mm^2 synthetic rubber
Bulkhead and PBOF leads (1 ft, 30 cm)	10 AWG, 5.26 mm^2 white tagged PTFE
OM leads (3", 7 cm)	10 AWG, 5.26 mm^2 white tagged PTFE

Face view (male)

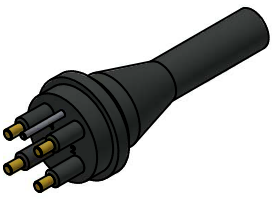


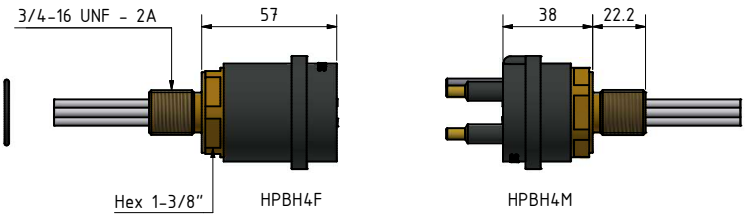
Inline cable colour code

1 Black	3 Red
2 White	4 Green



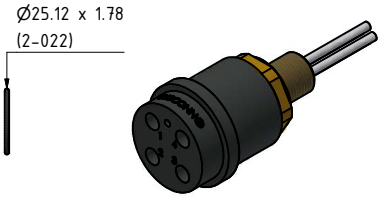
HPIL4F HPIL4M



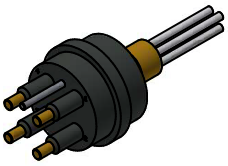


HPBH4F HPBH4M

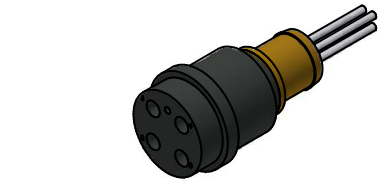
O-Ring
Ø25.12 x 1.78
(2-022)



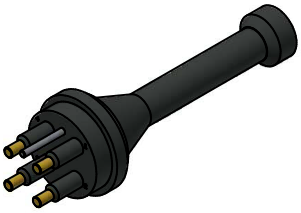
HPOM4F HPOM4M

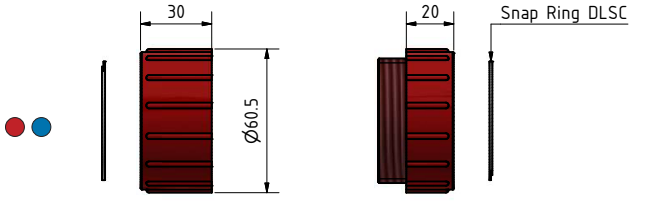


HPPBOF4F HPPBOF4M



HPDC4F HPDC4M





DLSC-F DLSC-M

Drawing information

Dimensions in mm (1 mm = 0.03937 inches)
Threads in inches (1 inch = 25.4 mm)

Cable and wire lead information

Synthetic rubber cables – see page 141. Wire leads – see page 142.
For recommended PUR cables, please refer to the Polyurethane cables section.

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