

# 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)
Current rating (air)	28 A per contact (max 112 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500 (open face rated)
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
Design depth rating	1,400 bar, 20,000 psi
Qualified pressure tested	800 bar, 11,600 psi
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 <sup>2</sup> chloroprene rubber
Bulkhead and PBOF leads (1 ft, 30 cm)	10 AWG, 5.26 mm <sup>2</sup> tagged PTFE
OM leads (3", 7 cm)	10 AWG, 5.26 mm <sup>2</sup> tagged PTFE

### Face view (male)

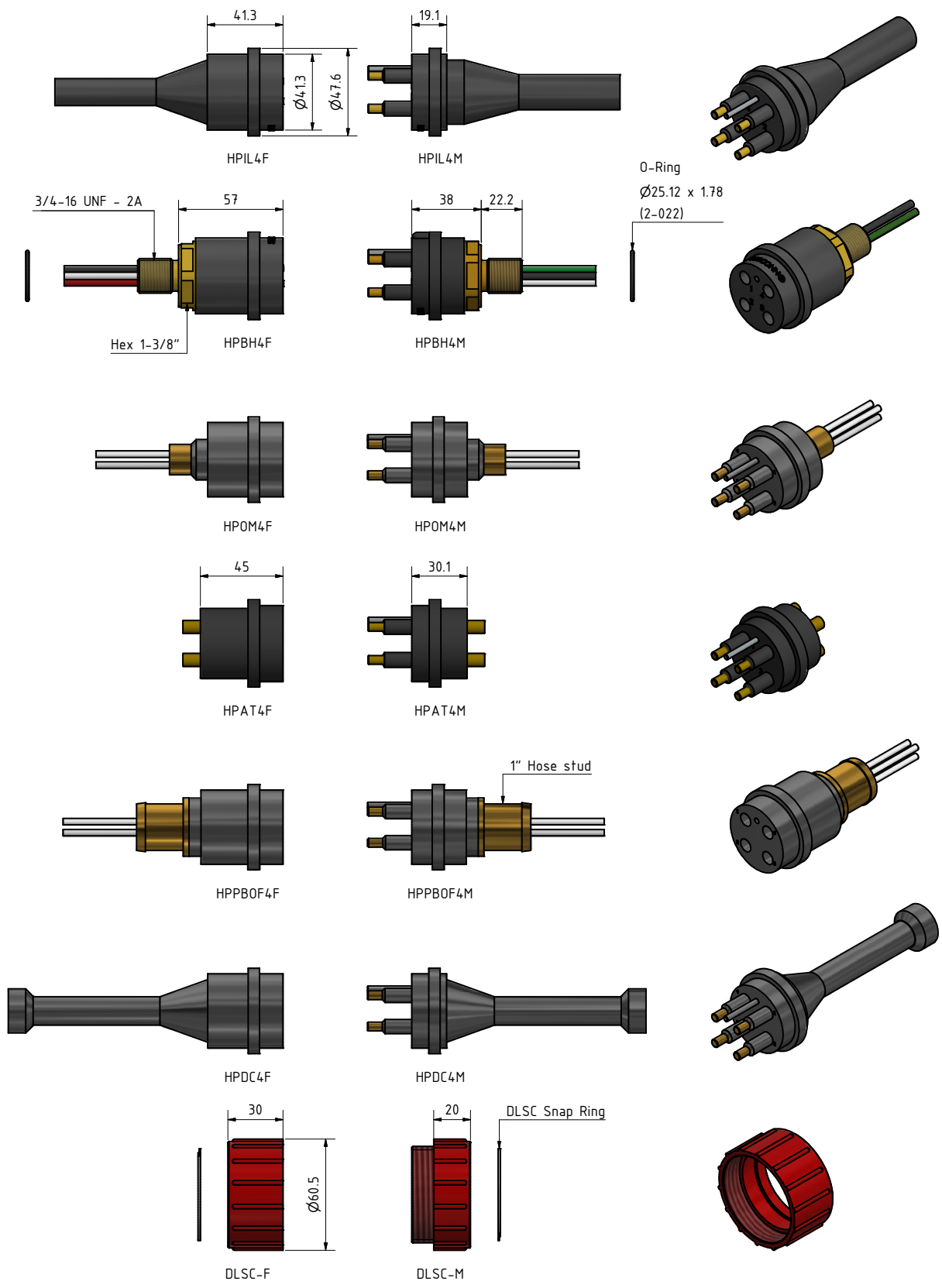


### Inline cable colour code

- 1 Black                      2 White                      3 Red                      4 Green

### Nominal cable outside diameter (OD)

4 conductor cable 0.715", 18.2 mm



**Drawing information**

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

