

SubConn® Power Battery

2, 3 and 4 contacts

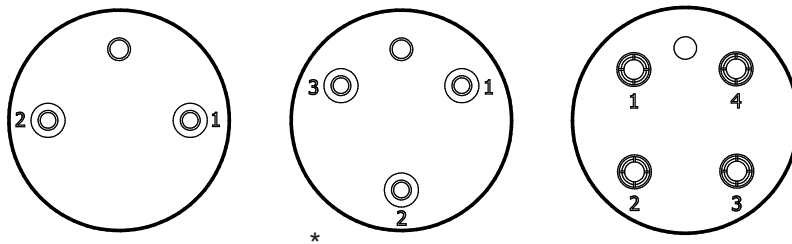
Connector specifications

Voltage rating	600 V DC/AC rms
Current rating	25 A per contact (max 50 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	1,400 bar, 20,300 psi (mated) 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, anodised aluminium or PEEK
Contacts	Gold plated brass UNS - C36000
Location pin	Stainless steel AISI 303
O-rings	Nitrile
Locking sleeves	POM or stainless steel
Snap rings	Stainless steel AISI 302
2 and 3 conductor inline cable (2 ft, 60 cm)	10 AWG, 5.26 mm ² synthetic rubber
4 conductor inline cable (2 ft, 60 cm)	12 AWG, 3.30 mm ² synthetic rubber
2 and 3 contact bulkhead and PBOF leads (1 ft, 30 cm)	10 AWG, 5.26 mm ² white tagged PTFE
2 and 3 contact OM leads (3", 7 cm)	10 AWG, 5.26 mm ² white tagged PTFE
4 contact bulkhead and PBOF leads (1 ft, 30 cm)	12 AWG, 3.31 mm ² white tagged PTFE
4 contact OM leads (3", 7 cm)	12 AWG, 3.31 mm ² white tagged PTFE

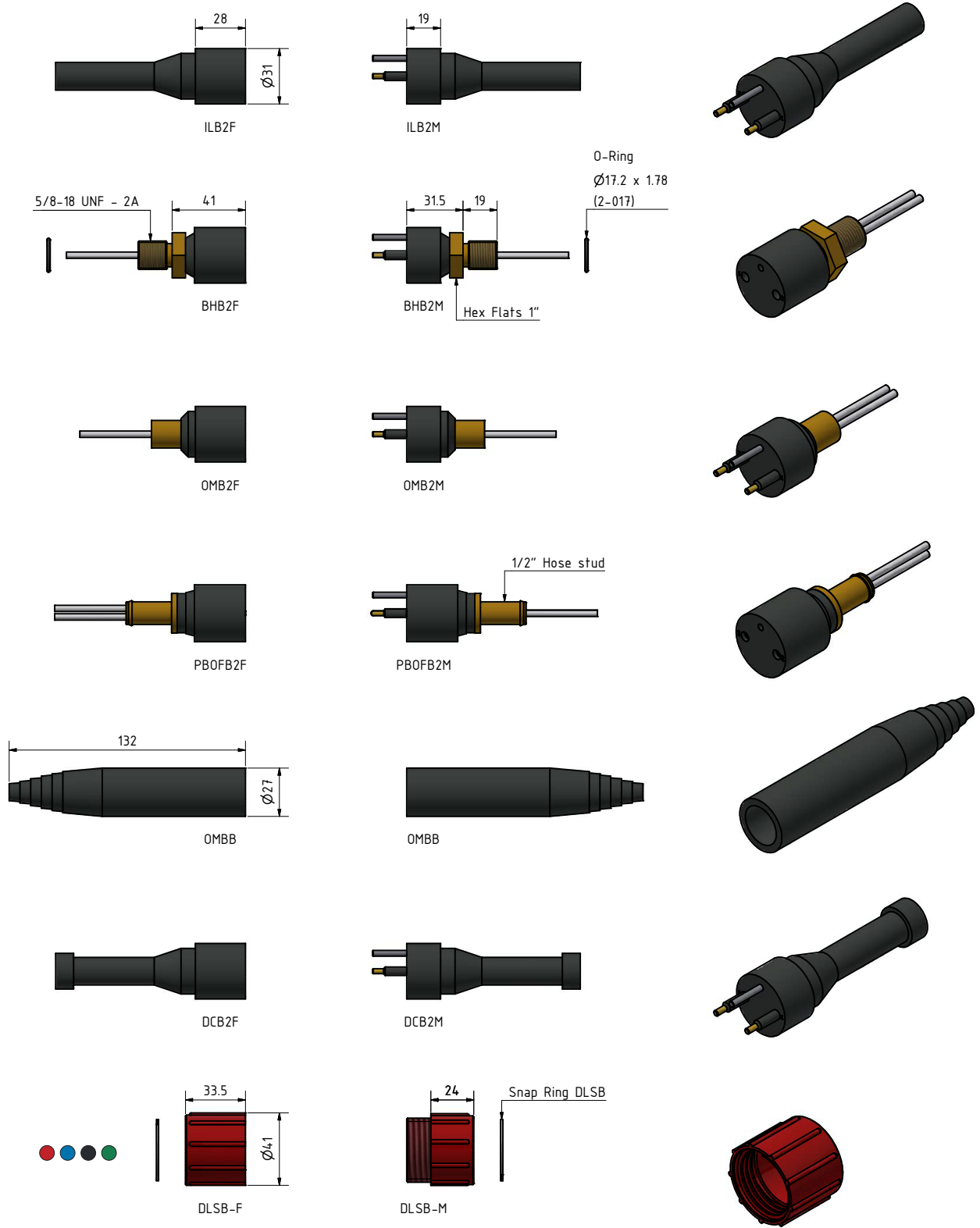
Face view (male)



Inline cable colour code

1 Black	3 Red
2 White	4 Green

* 3 conductor cable colour code: 1 black, 2 white, 3 green



Drawing information

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

Subject to change without notice. Visit MacAirtney.com for latest revision