

# SubConn® Power Battery

## 2, 3 and 4 contacts

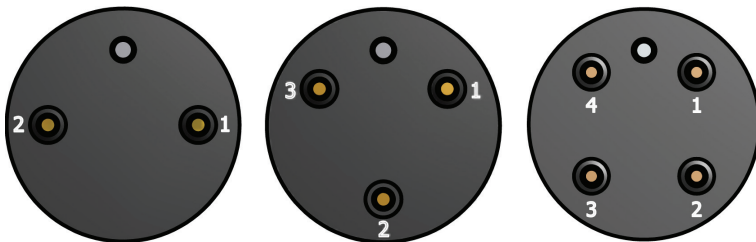
### Connector specifications

Voltage rating	600 V DC/AC rms
Current rating	25 A per contact (max 50 A per connector)
Insulation resistance	> 200 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, 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 <sup>2</sup> chloroprene rubber
4 conductor inline cable (2 ft, 60 cm)	12 AWG, 3.30 mm <sup>2</sup> chloroprene rubber
2 and 3 contact bulkhead and PBOF leads (1 ft, 30 cm)	10 AWG, 5.26 mm <sup>2</sup> white tagged PTFE
2 and 3 contact OM leads (3", 7 cm)	10 AWG, 5.26 mm <sup>2</sup> white tagged PTFE
4 contact bulkhead and PBOF leads (1 ft, 30 cm)	12 AWG, 3.31 mm <sup>2</sup> white tagged PTFE
4 contact OM leads (3", 7 cm)	12 AWG, 3.31 mm <sup>2</sup> white tagged PTFE

### Face view (male)

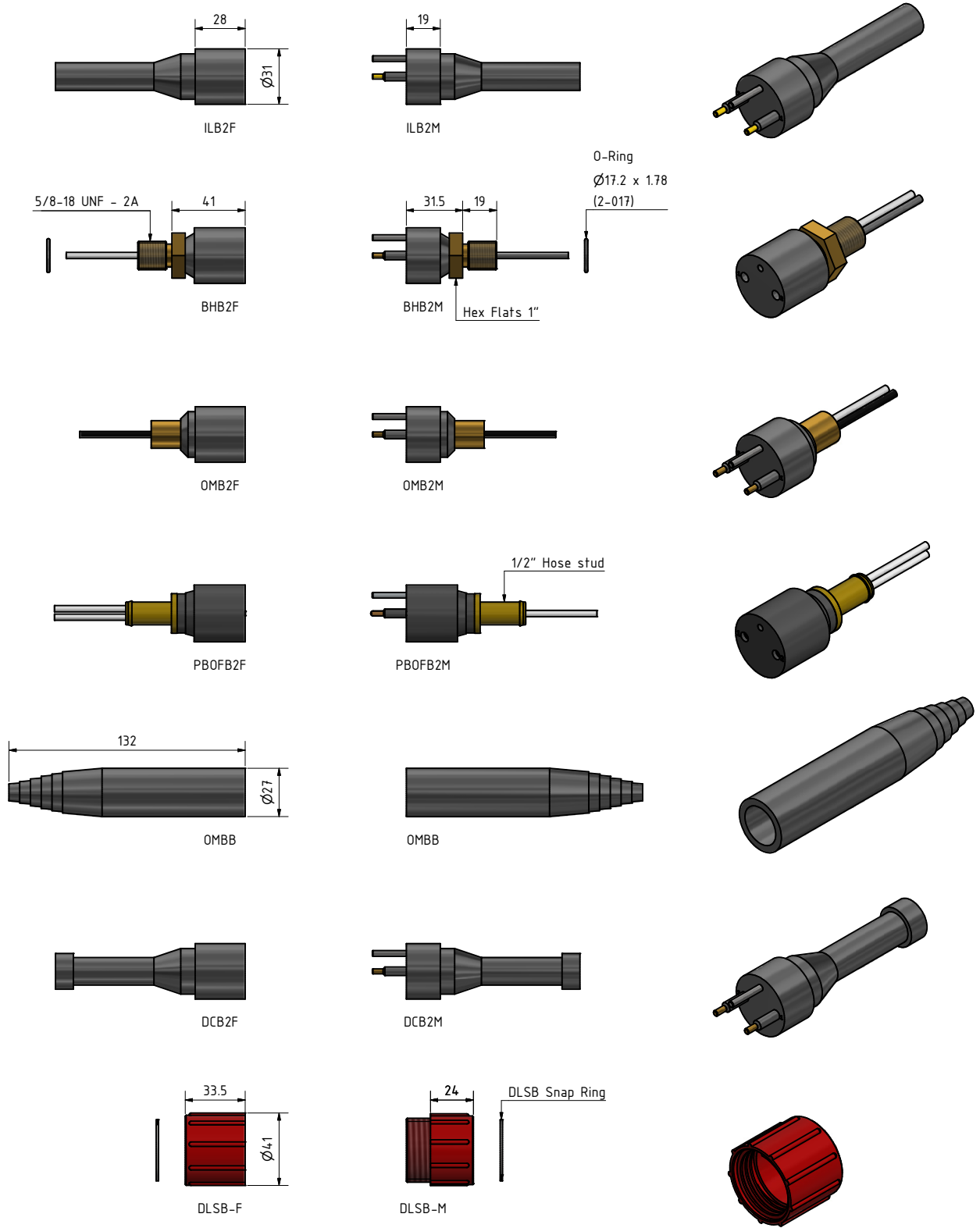


### Inline cable colour code

1 Black                      2 White                      3 Red                      4 Green  
 (3 conductor cable colour code: 1 black, 2 white, 3 green)

### Nominal cable outside diameter (OD)

2 conductor cable 0.640", 16.3 mm  
 3 conductor cable 0.671", 17.0 mm  
 4 conductor cable 0.660", 16.8 mm



**Drawing information**

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

Subject to change without notice. Visit [MacArtney.com](http://MacArtney.com) for latest revision