

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
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 ² chloroprene rubber
4 conductor inline cable (2 ft, 60 cm)	12 AWG, 3.30 mm ² chloroprene 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)

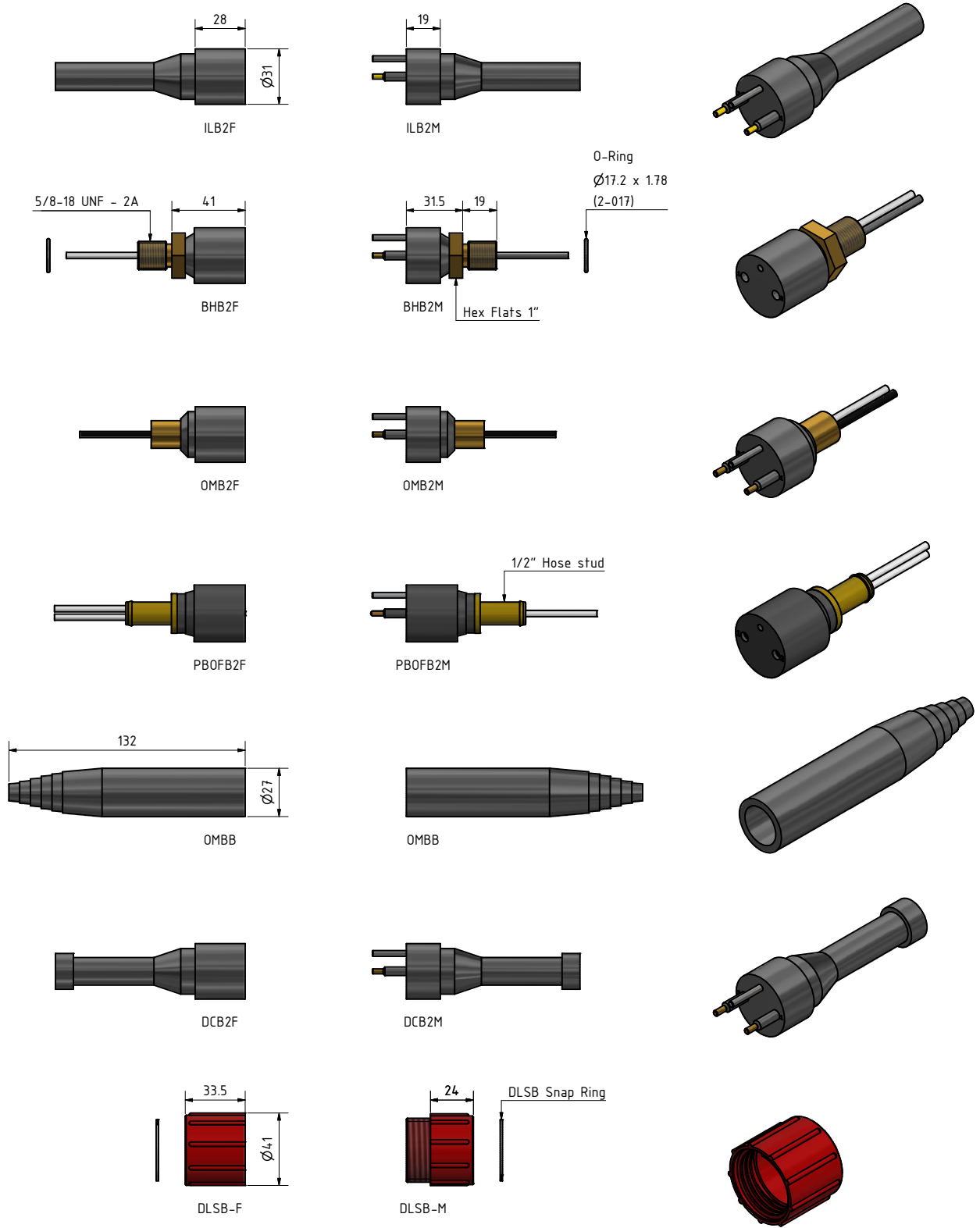


Inline cable colour code

1 Black 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)