SubConn® Power Battery

2, 3 and 4 pins

Connector specifications

Voltage rating	600 V AC rms
Current rating	25 A per pin (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
Depth rating	1,400 bar, 20,000 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium
Contacts	Gold plated brass UNS - C36000
Location pin	Stainless steel AISI 303
O-rings	Nitrile
Locking sleeves	POM
Snap rings	Stainless steel AISI 302
Inline cable (60 cm, 2 ft)	10 AWG 5.00 mm² chloroprene rubber
Bulkhead leads 2 and 3 pin (30 cm, 1 ft)	10 AWG 5.00 mm² tagged PTFE
Bulkhead leads 4 pin (30 cm, 1 ft)	12 AWG 3.3 mm² tagged PTFE

Face view (male)

Inline cable colour code

1 Black
2 White
3 Red
4 Green

(3 pin inline cable colour code: 1 black, 2 white, 3 green)

Nominal cable outside diameter (OD)

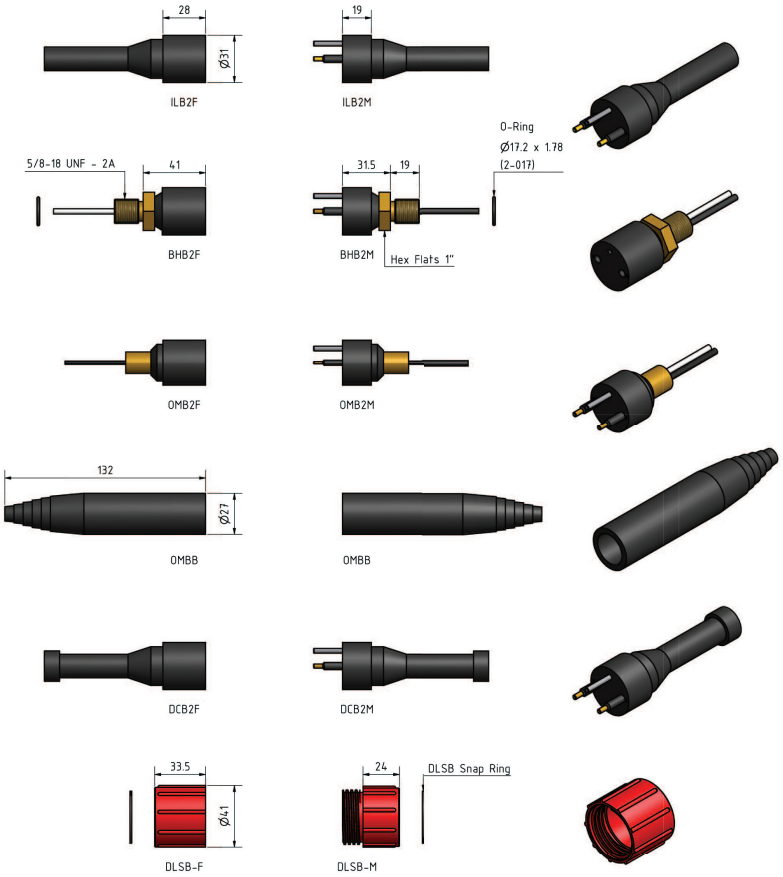
2 conductor cable 0.640", 16.3 mm
3 conductor cable 0.671", 17.0 mm
4 conductor cable 0.730", 18.5 mm

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see “general technical information” (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Drawing information

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