

SubConn® Power Battery

2, 3 and 4 contacts

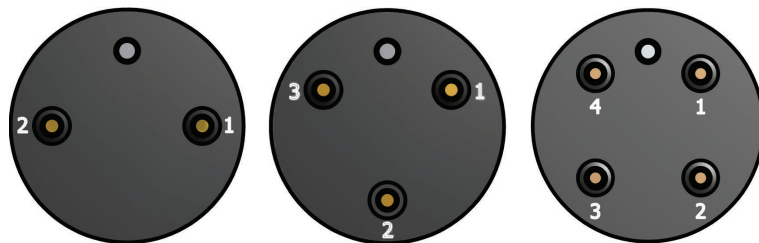
Connector specifications

| | |
|----------------------------|---|
| 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 |

Material specifications

| | |
|--|--|
| Connector body | Chloroprene rubber |
| Bulkhead body | Brass, stainless steel, titanium or anodised aluminium |
| 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 (60 cm, 2 ft) | 10 AWG 5.26 mm² chloroprene rubber |
| 4 conductor inline cable (60 cm, 2 ft) | 12 AWG 3.30 mm² chloroprene rubber |
| 2 and 3 contact bulkhead leads (30 cm, 1 ft) | 10 AWG 5.26 mm² white tagged PTFE |
| 4 contact bulkhead leads (30 cm, 1 ft) | 12 AWG 3.31 mm² white tagged PTFE |

Face view (male)



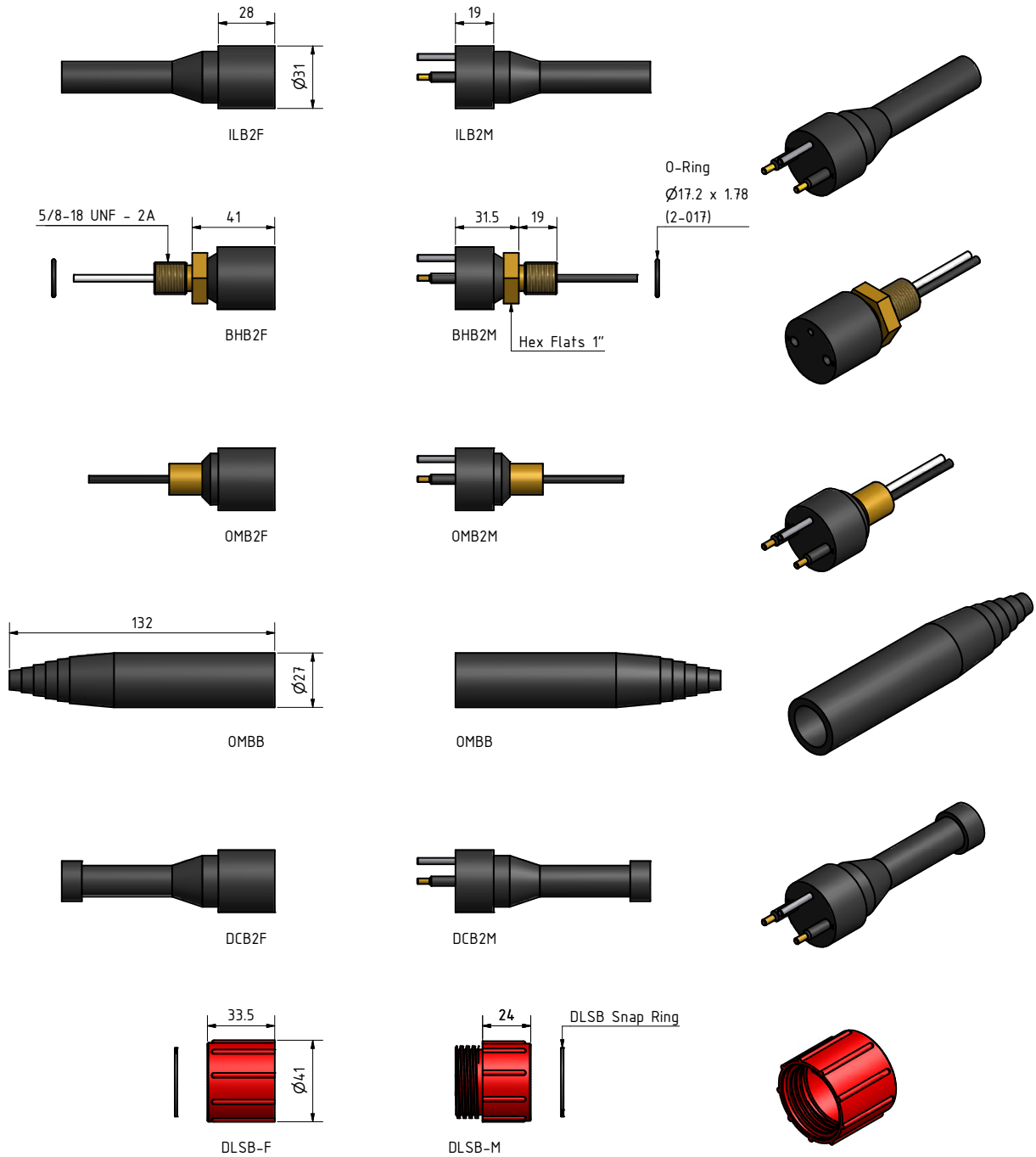
Inline cable colour code

| | | | |
|---------|---------|-------|---------|
| 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)