

# SubConn® Circular

## 2, 3, 4 and 5 contacts

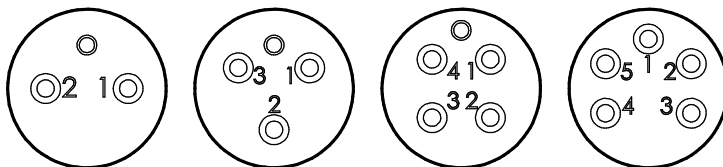
### Connector specifications

Voltage rating	600 V DC/AC rms
2 contacts current rating	10 A per contact (max 20 A per connector)
3, 4 and 5 contacts current rating	10 A per contact (max 30 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, 3 and 4 conductor inline cable (2 ft, 60 cm or 16 ft, 5 m)	16 AWG, 1.31 mm <sup>2</sup> synthetic rubber
5 conductor inline cable (2 ft, 60 cm or 16 ft, 5 m)	18 AWG, 0.82 mm <sup>2</sup> synthetic rubber
Bulkhead and PBOF leads (1 ft, 30 cm)	18 AWG, 0.82 mm <sup>2</sup> coloured PTFE
OM leads (3", 7 cm)	18 AWG, 0.82 mm <sup>2</sup> coloured PTFE

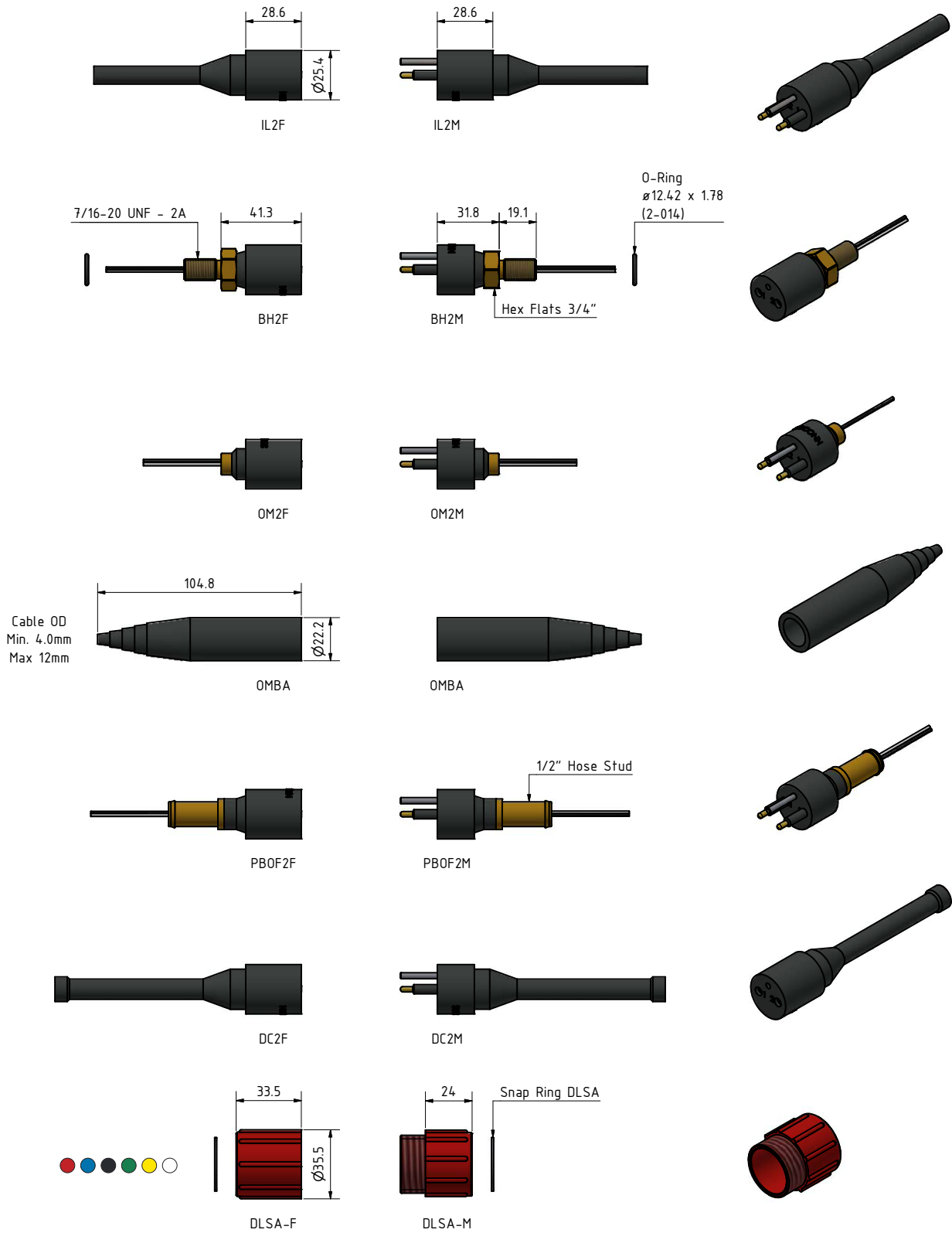
### Face view (male)



### Inline cable colour code

- |         |          |
|---------|----------|
| 1 Black | 4 Green  |
| 2 White | 5 Orange |
| 3 Red   |          |

(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)