

SubConn® Circular

6, 8 and 10 pins

Connector specifications

Voltage rating	600 V AC rms
6, 8 and 10 pin current rating	10 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
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
Snap rings	Stainless steel AISI 302
6 and 8 conductor inline cable (60 cm, 2 ft)	16 AWG 1.34 mm ² chloroprene rubber
10 conductor inline cable (60 cm, 2 ft)	18 AWG 1.0 mm ² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	18 AWG 1.0 mm ² PTFE

Face view (male)



Inline cable colour code

1 Black	7 White/black
2 White	8 Red/black
3 Red	9 Green/black
4 Green	10 Orange/black
5 Orange	
6 Blue	

Nominal cable outside diameter (OD)

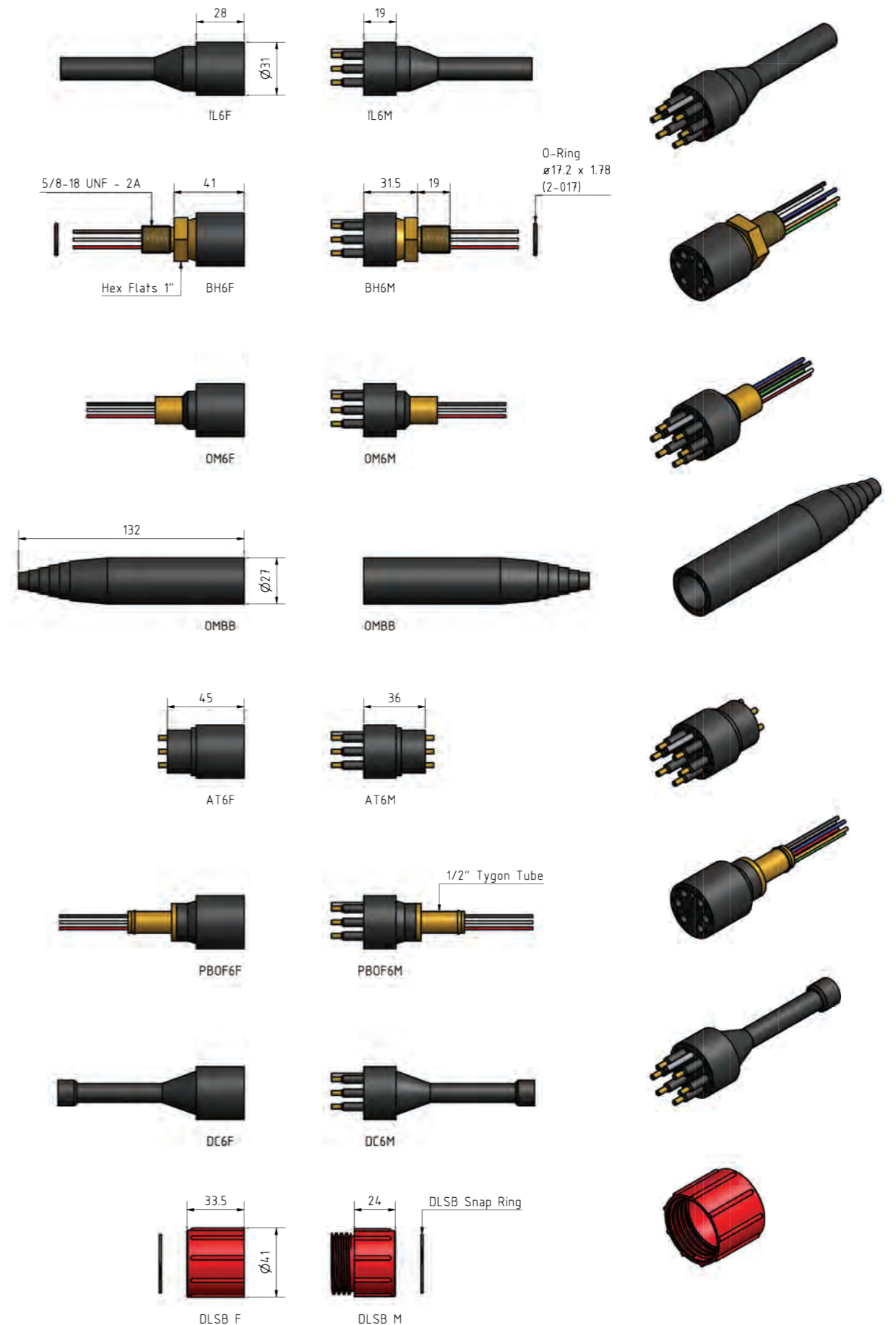
6 conductor cable 0.520", 13.2 mm
8 conductor cable 0.555", 14.1 mm
10 conductor cable 0.605", 15.4 mm

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)