

SubConn® Micro Circular Double O-ring

5, 6 and 8 contacts and G2 2, 3 and 4 contacts

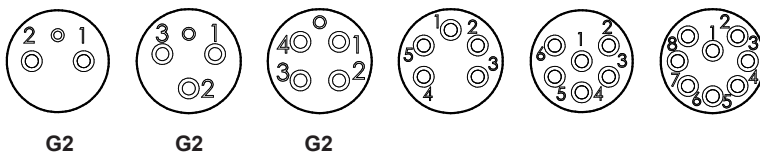
Connector specifications

Voltage rating	300 V DC/AC rms
5, 6 and 8 contacts current rating	5 A per contact (max 20 A per connector)
G2 2, 3 and 4 contacts connector current rating	5 A per contact (max 20 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

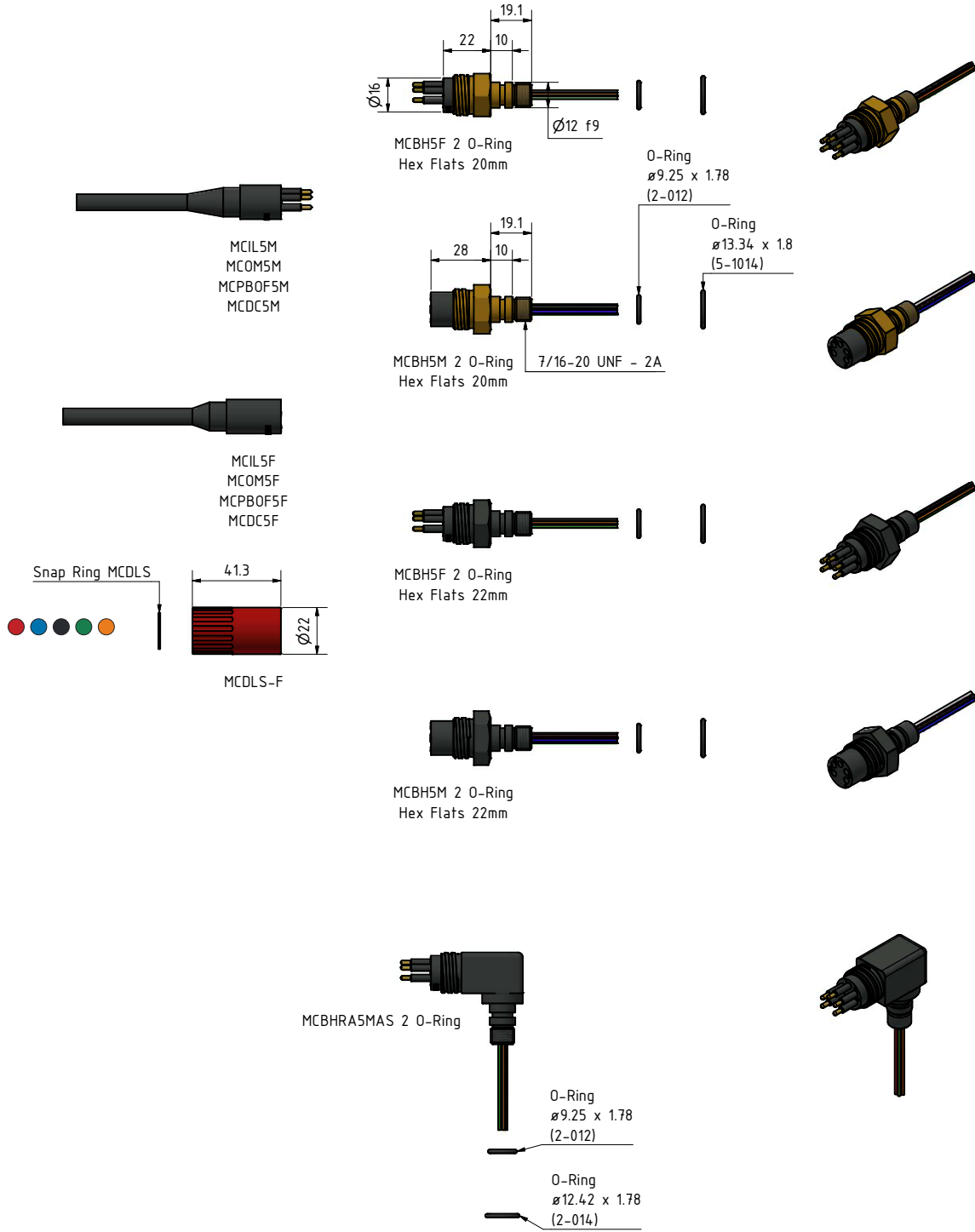
Connector body	Chloroprene rubber
Bulkhead body with 20 mm hex flats	Brass, titanium or anodised aluminium
Bulkhead body with 22 mm hex flats	Anodised aluminium or stainless steel
Bulkhead RA body	Aluminium or titanium
5, 6 and 8 contacts and G2 2, 3 and 4 contacts	Female sockets in gold plated brass UNS C36000 Male contacts in gold plated beryllium copper
Location pin	Stainless steel AISI 303
O-rings	Nitrile
Locking sleeves	ABS or stainless steel
Snap rings	Stainless steel AISI 302
5, 6 and 8 contact bulkhead leads (1 ft, 30 cm)	22 AWG, 0.33 mm ² coloured PTFE
G2 2, 3 and contact 4 bulkhead leads (1 ft, 30 cm)	20 AWG, 0.52 mm ² coloured PTFE

Face view (male)



Leads colour code

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



Drawing information

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

