

SubConn® Micro Circular

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

Connector specifications

Voltage rating	300 V DC/AC rms
2, 3 and 4 contacts current rating	10 A per contact (max 20 A per connector)
5, 6 and 8 contacts current rating	5 A per contact (max 20 A per connector)
G2 2, 3 and 4 contacts current rating	5 A per contact (max 20 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500 (open face rated)
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	800 bar, 11,600 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
PEEK bulkhead body	PEEK-30
2, 3 and 4 contacts	Gold plated brass UNS - C36000
5, 6, 8 contacts and G2 2, 3 and 4 contacts	Female sockets in gold plated brass - UNS C36000
	Male pins 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
2, 3 and 4 conductor inline cable (2 ft, 60 cm)	18 AWG, 0.82 mm ² synthetic rubber
5, 6 and 8 conductor inline cable (2 ft, 60 cm)	20 AWG, 0.52 mm ² synthetic rubber
G2 2, 3 and 4 conductor inline cable (2 ft, 60 cm)	20 AWG, 0.52 mm ² synthetic rubber
2, 3 and 4 contact bulkhead and PBOF leads (1 ft, 30 cm)	20 AWG, 0.52 mm ² coloured PTFE
5, 6 and 8 contact bulkhead and PBOF leads (1 ft, 30 cm)	22 AWG, 0.33 mm ² coloured PTFE
G2 2, 3 and 4 contact bulkhead and PBOF leads (1ft, 30 cm)	20 AWG, 0.52 mm ² coloured PTFE
OM leads (3", 7 cm)	20 AWG, 0.52 mm ² coloured PTFE

Face view (male)



Inline cable colour code

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

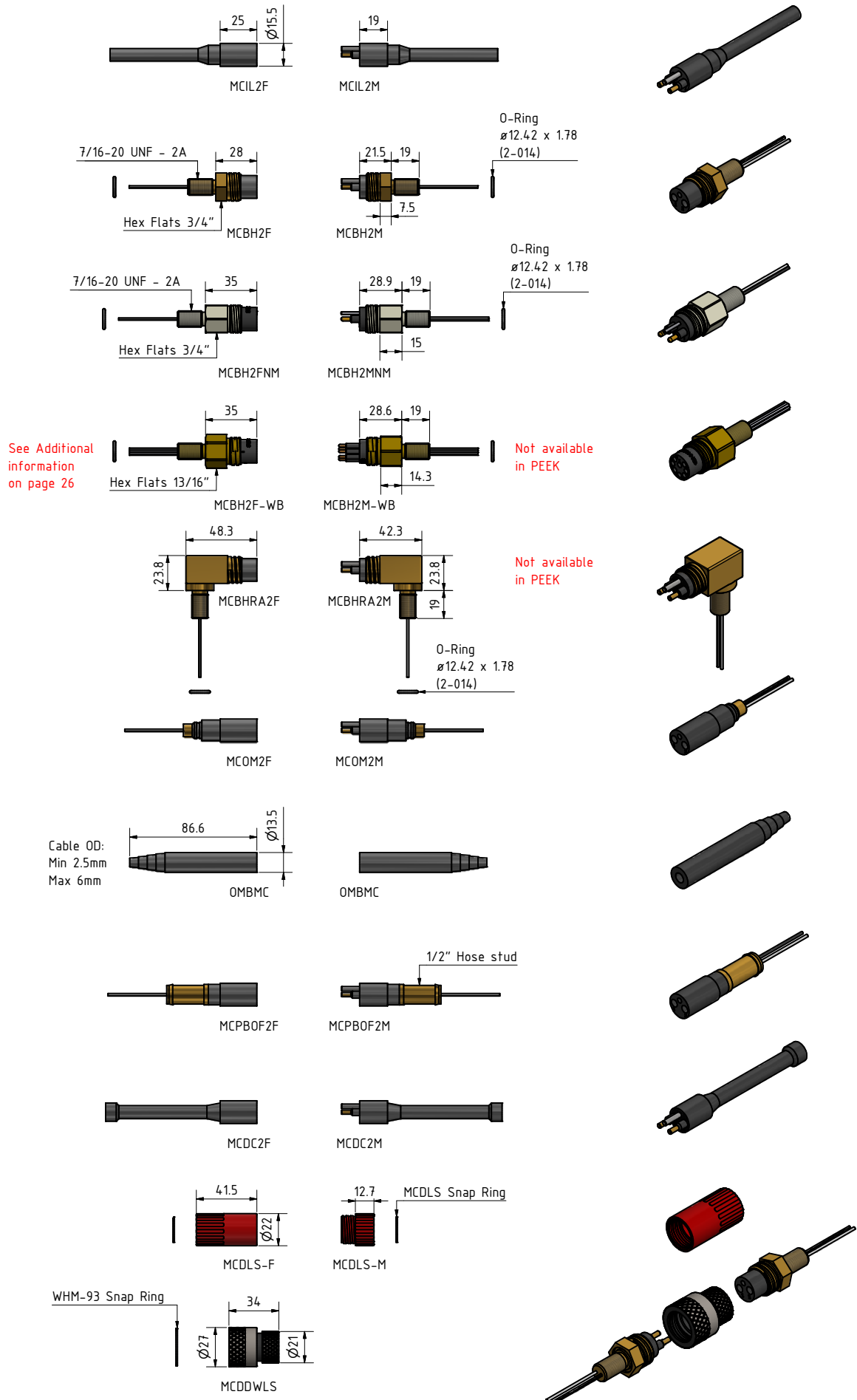
** (3 conductor cable colour code: 1 black, 2 white, 3 green)

Nominal cable outside diameter (OD)

2 conductor cable 0.340", 8.6 mm	G2 2 conductor cable 0.230", 6.1 mm	5 conductor cable 0.312", 7.9 mm
3 conductor cable 0.360", 9.1 mm	G2 3 conductor cable 0.250", 6.4 mm	6 conductor cable 0.315", 8.0 mm
4 conductor cable 0.385", 9.8 mm	G2 4 conductor cable 0.260", 6.6 mm	8 conductor cable 0.363", 9.2 mm

Additional information

Micro 2, 3 and 4 contacts in G2 version have the same contact size as 5, 6 and 8 contacts and are available as water blocked (WB).



See Additional information on page 26

Not available in PEEK

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Subject to change without notice. Visit MacaArtnet.com for latest revision

Drawing information

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