

SubConn® Micro Circular Double O-ring 10, 12 and 16 contacts

Connector specifications

Voltage rating	300 V AC rms
DC rating	85% of above AC rating
Current rating	5 A per contact (max 30 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	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Titanium, anodised aluminium or stainless steel
Contacts	Female sockets in gold plated brass UNS - C36000 Male pins in gold plated beryllium copper
O-rings	Nitrile
Locking sleeves	POM
Snap rings	Stainless steel AISI 302
Bulkhead leads (30 cm, 1 ft)	20 AWG 0.52 mm ² coloured PTFE

Face view (male)

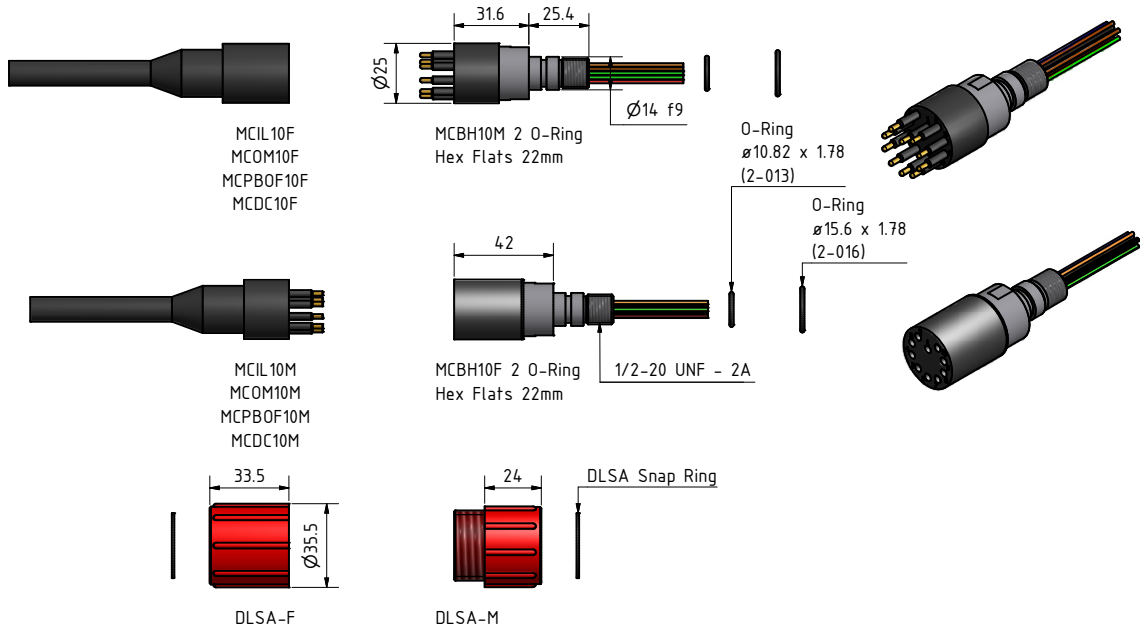


Inline cable colour code

1 Black	4 Green	7 White/black	10 Orange/black	13 Red/white	16 Black/red
2 White	5 Orange	8 Red/black	11 Blue/black	14 Green/white	
3 Red	6 Blue	9 Green/black	12 Black/white	15 Blue/white	

Nominal cable outside diameter (OD)

10 conductor cable	0.406", 10.3 mm
12 conductor cable	0.436", 11.0 mm
16 conductor cable	0.472", 12.0 mm



Micro Circular series

Drawing information

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