

# SubConn® Circular

## Micro 10, 12 and 16 pins

### Connector specifications

Voltage rating	300 V AC rms
Current rating	5 A per pin (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	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	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
Inline cable (60 cm, 2 ft)	20 AWG 0.5 mm <sup>2</sup> chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	20 AWG 0.5 mm <sup>2</sup> coloured PTFE

### Face view (male)



### Inline cable colour code

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

### 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)

# SubConn® Circular Double O-ring

## Micro 10, 12 and 16 pins

### Connector specifications

Voltage rating	300 V AC rms
Current rating	5 A per pin (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 or anodised aluminium
Contacts	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 0.5 mm <sup>2</sup> coloured PTFE

### Face view (male)



### Inline cable colour code

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

### Nominal cable outside diameter (OD)

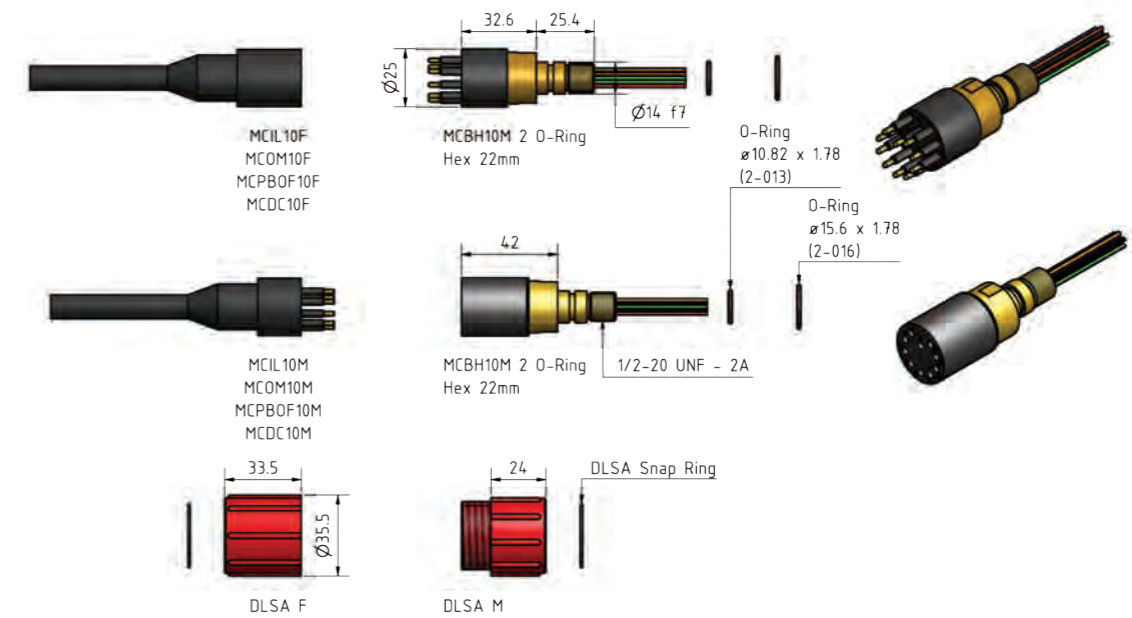
10 conductor cable 0.406", 10.3 mm
12 conductor cable 0.436", 11.0 mm
16 conductor cable 0.472", 12.0 mm

### 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)