

# SubConn® Micro Circular

## 10, 12 and 16 contacts

### Connector specifications

|                            |                                          |
|----------------------------|------------------------------------------|
| Voltage rating             | 300 V DC/AC rms                          |
| Current rating             | 5 A per contact (max 30 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                                  |
| Contacts                              | Female sockets in gold plated brass UNS - C36000<br>Male pins in gold plated beryllium copper |
| O-rings                               | Nitrile                                                                                       |
| Locking sleeves                       | POM or stainless steel                                                                        |
| Snap rings                            | Stainless steel AISI 302                                                                      |
| Inline cable (2 ft, 60 cm)            | 20 AWG, 0.52 mm <sup>2</sup> chloroprene rubber                                               |
| Bulkhead and PBOF leads (1 ft, 30 cm) | 20 AWG, 0.52 mm <sup>2</sup> coloured PTFE                                                    |
| OM leads (3", 7 cm)                   | 20 AWG, 0.52 mm <sup>2</sup> coloured PTFE                                                    |

### Face view (male)

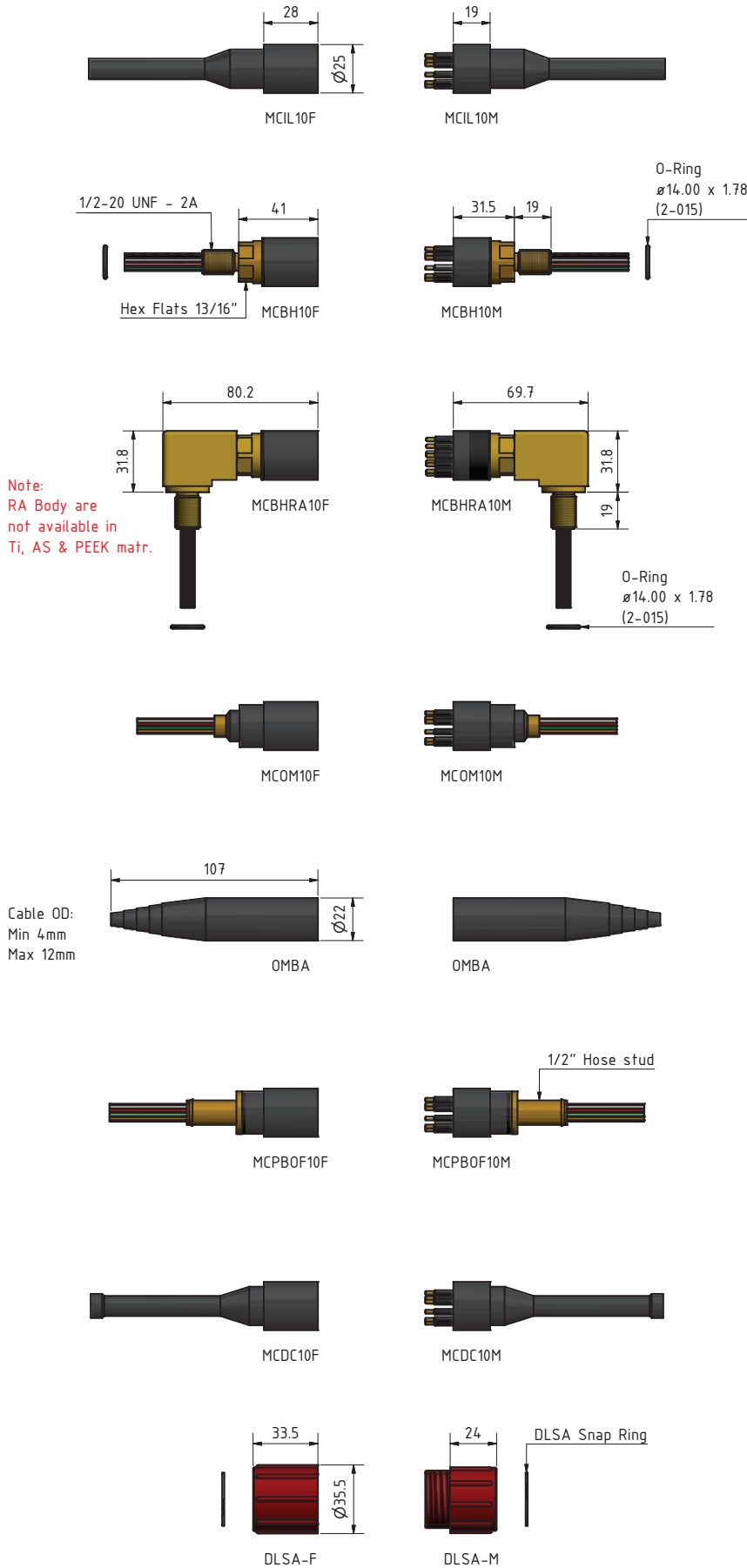


### Inline cable colour code

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

### 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 |



Note:  
RA Body are  
not available in  
Ti, AS & PEEK matr.

## Drawing information

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

