

# SubConn® Circular BH5F

## 5 contacts

### Connector specifications

|                            |                                           |
|----------------------------|-------------------------------------------|
| Voltage rating             | 600 V DC/AC rms                           |
| 5 contacts current rating  | 10 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             |
| Design depth rating        | 1,400 bar, 20,000 psi                     |
| Qualified pressure tested  | 800 bar, 11,600 psi                       |

### Material specifications

|                                        |                                                              |
|----------------------------------------|--------------------------------------------------------------|
| Connector body                         | Chloroprene rubber                                           |
| Bulkhead body                          | Brass, stainless steel, titanium, anodised aluminium or PEEK |
| Contacts                               | Gold plated brass UNS - C36000                               |
| Location pin                           | Stainless steel AISI 303                                     |
| O-rings                                | Nitrile                                                      |
| Locking sleeves                        | POM or stainless steel                                       |
| Snap rings                             | Stainless steel AISI 302                                     |
| 5 conductor inline cable (2 ft, 60 cm) | 18 AWG, 0.82 mm <sup>2</sup> chloroprene rubber              |
| Bulkhead and PBOF leads (1 ft, 30 cm)  | 18 AWG, 0.82 mm <sup>2</sup> coloured PTFE                   |
| OM leads (3", 7 cm)                    | 18 AWG, 0.82 mm <sup>2</sup> coloured PTFE                   |

### Face view (male)



### Inline cable colour code

|         |          |
|---------|----------|
| 1 Black | 4 Green  |
| 2 White | 5 Orange |
| 3 Red   |          |

### Nominal cable outside diameter (OD)

5 conductor cable 0.465", 11.8 mm

### Locking Sleeve

DLSB-F



# SubConn® Circular BH10F

## 10 contacts

### Connector specifications

|                            |                                           |
|----------------------------|-------------------------------------------|
| Voltage rating             | 600 V DC/AC rms                           |
| 5 contacts current rating  | 10 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             |
| Design depth rating        | 1,400 bar, 20,000 psi                     |
| Qualified pressure tested  | 800 bar, 11,600 psi                       |

### Material specifications

|                                         |                                                              |
|-----------------------------------------|--------------------------------------------------------------|
| Connector body                          | Chloroprene rubber                                           |
| Bulkhead body                           | Brass, stainless steel, titanium, anodised aluminium or PEEK |
| Contacts                                | Gold plated brass UNS - C36000                               |
| Location pin                            | Stainless steel AISI 303                                     |
| O-rings                                 | Nitrile                                                      |
| Locking sleeves                         | POM or stainless steel                                       |
| Snap rings                              | Stainless steel AISI 302                                     |
| 10 conductor inline cable (2 ft, 60 cm) | 18 AWG, 0.82 mm <sup>2</sup> chloroprene rubber              |
| Bulkhead and PBOF leads (1 ft, 30 cm)   | 18 AWG, 0.82 mm <sup>2</sup> coloured PTFE                   |
| OM leads (3", 7 cm)                     | 18 AWG, 0.82 mm <sup>2</sup> coloured PTFE                   |

### Face view (male)



### Inline cable colour code

|         |          |               |                 |
|---------|----------|---------------|-----------------|
| 1 Black | 4 Green  | 7 White/black | 10 Orange/black |
| 2 White | 5 Orange | 8 Red/black   |                 |
| 3 Red   | 6 Blue   | 9 Green/black |                 |

### Nominal cable outside diameter (OD)

10 conductor cable 0.605", 15.4 mm

### Locking Sleeve

DLSB-F

