SubConn® Circular
2, 3, 4 and 5 contacts

Connector specifications

- Voltage rating: 600 V DC/AC rms
- 2 contacts current rating: 10 A per contact (max 20 A per connector)
- 3, 4 and 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
- 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
- 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: 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
- 2, 3 and 4 conductor inline cable (60 cm, 2 ft): 16 AWG 1.31 mm² chloroprene rubber
- 5 conductor inline cable (60 cm, 2 ft): 18 AWG 0.82 mm² chloroprene rubber
- Bulkhead leads (30 cm, 1 ft): 18 AWG 0.82 mm² coloured PTFE

Face view (male)

Inline cable colour code

1 Black 4 Green
2 White 5 Orange
3 Red

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

Nominal cable outside diameter (OD)

- 2 conductor cable: 0.365", 9.3 mm
- 3 conductor cable: 0.385", 9.8 mm
- 4 conductor cable: 0.410", 10.4 mm
- 5 conductor cable: 0.465", 11.8 mm
Drawing information
Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)