

CF300 Series Sub-Sea Connectors

Technical Data Sheet

Clearflow Solutions are pleased to offer the “CF-Series” Sub-sea Connectors.

CF300-F : Female Subsea Connector (Part # PMP-CSS-F-CF300)

- 12mm diameter socket of Beryllium Copper (BeCu) with Silver (Ag) plating.
- Connected to CSPE (chlorosulphonated polyethylene), 90°C temperature rated 70mm² stranded conductor.
- Insulated and sealed with molded vulcanized rubber
- Fitted with Black Delrin locking cap (male)
- Carbon Black added to all components to reduce the effects of UV radiation.
- 300 Amp rating at 30°C

CF300-M : Male Subsea Connector (Part # PMP-CSS-M-CF300)

- 12mm diameter pin of 360 Brass with Silver (Ag) plating
- Connected to CSPE (chlorosulphonated polyethylene), 90°C temperature rated 70mm² stranded conductor.
- Insulated and sealed with molded vulcanized rubber.
- Fitted with Black Delrin locking cap (female)
- Carbon Black added to all components to reduce the effects of UV radiation.
- 300 Amp rating at 30°C



SPECIFICATION

- Operating Temperature : -15°C → 90°C
- Operating Depth : ↓ 700m
- Insulation Resistance : → 2 GΩ (tested to 1000psi, submerged)
- Voltage Rating : 750v AC/DC
- Oil & Flame Resistant
- Mated contact resistance ← 200 μΩ per test.
- Correction Multiplier to be applied for a different ambient temperature :

Ambient Temperature Correction Multiplier

30°C	1.0
35°C	0.95
40°C	0.91
45°C	0.86
50°C	0.82
55°C	0.76
60°C	0.70
65°C	0.64
70°C	0.57
75°C	0.50



HANDLING, CARE AND MAINTENANCE

- Always disconnect the electrical power and lock out the electrical power source before connecting or disconnecting
- Always clean the connected set prior to unplugging from each other
- Always clean the unmated male and female connectors prior to connecting them to each other
- Compressed dry air or Nitrogen gas can be used under low pressure to dry mated or unmated male and female connectors
- The locking caps are intended to be hand tightened only.
- Apply silicone gel to rubber mating parts for ease of assembly.
- Read O&M Manual prior to installation/removal.

 Note : Other sizes are available on request.