



## Models 6Q, 6QI, 6GQ, 6GQI

### IP68 Rated, MIL-style Connector, with Sealing Boot

#### FEATURES:

- IP68 sealing boot
- 2-Pin or 3-Pin connection
- Shielded connector backshell
- Tested to 650 p.s.i.
- All components rated to 200°C

#### BENEFITS:

- Connector can be used in harsh environments
- Rated for underwater applications
- Depth tested to 150' submersion
- Useable in very high temperatures

The 6Q family of connectors are designed for superior sealing with the MIL-C-5015 style of sensor connectors.

Outside testing verifies the 6Q family to be rated for underwater applications, IP-68. The 6Q connectors are designed using solder style connector pins for the cable attachment. The pins can also be crimped to the cable for those users desiring an easier field cable assembly using the HTC kit.

The optional HTC and HTS connector assembly kits include all the additional tools for assembling 25 of the 6Q family of connectors.

#### ELECTRICAL

Number of contact sockets

6Q ..... 2 socket

6GQ ..... 3 socket

Wire size connections ..... 16 AWG

Voltage insulation rating ..... 600 VDC

Shielding<sup>1</sup> ..... Shield connections, shielding carried through to sensor for 6Q and 6GQ

#### ENVIRONMENTAL

Temperature range ..... -50°C to 200°C

Vibration limit ..... 500 g peak

Sealing ..... IP68

#### PHYSICAL

Boot ..... Viton® B

Durometer ..... 65

Recommended cable ..... J9T2A shielded, twisted pair, Teflon® coated  
J9T3A shielded, three conductor Teflon®

Cable diameter:

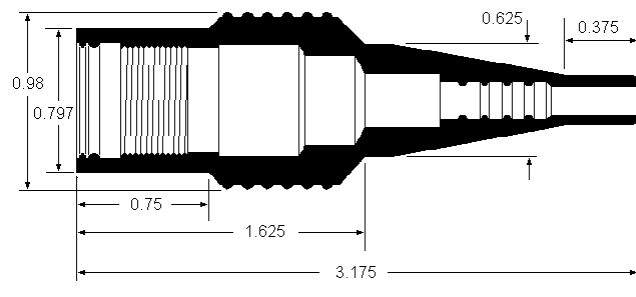
Diameter -maximum ..... 0.195"

Bend radius ..... 2.25"

NOTES: <sup>1</sup> Grounding spring is not installed for Isolated Connectors (6QI & 6GQI)

AVAILABLE OPTIONS: HTC (crimp connector) and HTS (solder connector) assembly kits

### 6Q Boot All Dimensions in inches



The 0.797 O.D. neck of the boot expands slightly when installed over the sensor connector