

# Seal-Connect® Product Series



## Electrical Connectors

Greene Tweed has developed a wide range of solutions for consistent and reliable electrical connection in downhole and subsea environments. Our Seal-Connect® connectors offer superior performance over traditional glass-to-metal technology, as demonstrated by the following performance benefits:

- Less influenced by thermal fatigue, due to temperature cycling
- Coefficient of thermal expansion does not need to be balanced
- Special design requirements are necessary when manufacturing glass-to-metal hermetically sealed connectors to ensure full glass compression during firing

The ability to injection-mold PEEK allows close clustering of pins, along with greater insulation resistance. Greene Tweed provides the capability to custom-engineer small connectors with high pin densities that help maximize available space in critical downhole applications.

In addition, Seal-Connect®'s stock and custom-design capabilities offer extended design flexibility.

### Single-Pin and Coaxial

Single Pin and coaxial designs are manufactured from Arlon® 2000 and beryllium copper, unless otherwise specified. These connectors can be made to customer specifications or purchased from stock designs.

### Multi-Pin

Seal-Connect® connectors are injected-molded and machined multi-pin connectors. Multi-pin connectors minimize deformation and creep, withstanding continuous extreme conditions up to 30,000 psi and 450°F (232°C). The advanced Seal-Connect® technology also enables tighter pin density than traditional glass-to-metal technology.

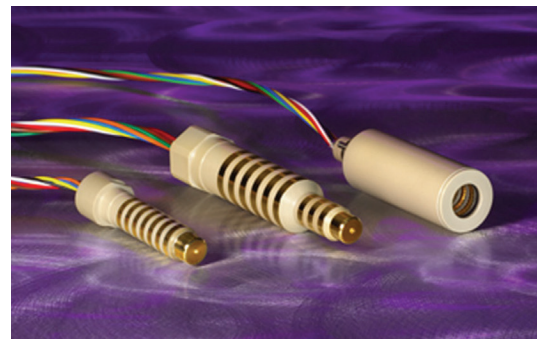
Seal-Connect® multi-pin connectors are available in standard configurations and custom designs.



*Single-Pin*



*Multi-Pin*



*Rotatable*

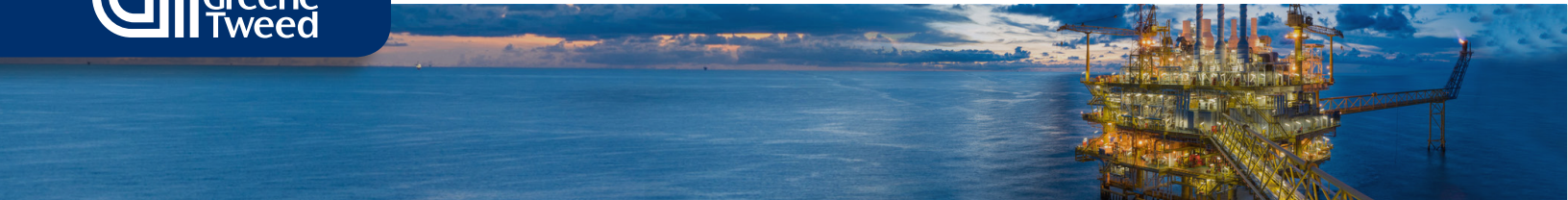
## Contact Us

Greene Tweed  
Houston, TX, USA

Tel: +1.281.765.4500  
Fax: +1.281.821.2696

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**Rotatable**

Both male and female rotatable connectors are available with temperature capabilities to 450°F (232°C). Standard products are available (10-, 8-, 7-, and 4-contact rotatable connectors).

**Boots**

Connector boots are available in various styles to allow interchangeability with existing connector systems or the exclusive use of a Seal-Connect® system. Our comprehensive tooling capabilities allow simplified adjustment of internal details, as well as economical short or long runs.

Standard products—Boot material & design

- Boot – single-pin
- Boot – multi-pin
- Materials – FKM, FFKM
- High voltage

**Contact Blocks**

Contact blocks are a standard option for all Seal-Connect® connectors or can be custom-designed to suit your existing connector designs. Female contact blocks are available in single-pin and multi-pin configurations. Contact blocks are also available with pin number identification, removable contacts, moisture barrier seals, or booted arrangements.

**Custom Solutions**

Greene Tweed offers in-house design, prototyping, and manufacturing services for custom solutions that will meet any downhole requirement, such as capacitance sensors, thermo-couple assemblies, and battery holders. Through collaboration with customers, we develop the best solution for each unique application.



*Boots*



*Contact Blocks*



*Custom Solutions*

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