



# SEAL-CONNECT® XCD

## High Pressure/High Temperature

### REAL-TIME DATA SOLUTIONS

To help service companies meet the need for reliable data and power transmission in extreme temperatures and pressures Greene, Tweed is expanding our line of Seal-Connect® electrical connector technology. Our revolutionary, customer-driven technology, Seal-Connect XCD, allows our customers to reliably transfer data in increasing temperature requirements.

XCD withstands temperatures up to 500°F (260°C) in continuous service at 30,000 psi (2,068 bar). The XCD connector helps users meet exploration challenges inherent in drilling in extreme temperatures, higher pressures and increased sour gas exposure.

Unlike traditional glass-to-metal sealed designs that involve firing a pin into a metal body with sealing glasses, Greene, Tweed's Seal-Connect XCD 30,000 psi (2,068 bar) @ 500°F (260°C) connector design features our injection-molded Arlon® 2000 thermoplastic material. Arlon materials have been utilized as insulators in the oilfield industry for over 20 years. While glass materials are good insulators, high temperatures lead to degradation in the electrical insulation resistance. Because the pins are in such close proximity to the surrounding conductive body, signal loss or degradation is possible. However, Seal-Connect designs featuring Arlon provide the insulation resistance necessary to protect signals in highly elevated temperatures.



### FEATURES & BENEFITS

- Variety of pin materials (e.g. standard beryllium copper pins, corrosion-resistant Inconel or high-conductivity, oxygen-free copper) allows customers to choose the material that will provide the highest conductivity and reliability possible for their applications
- Reliable data transfer in pressures up to 30,000 psi (2068 bar) and temperatures as high as 500°F (260°C) allows customers to meet exploration challenges
- Connector designs utilize Arlon material to protect signals from degradation in elevated temperatures

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