

CONNECTORS FOR PERFORATING GUN APPLICATIONS

PRODUCT BROCHURE

APPLICATION INFORMATION

Perforating guns are a common tool utilized in the oil and gas industry to perforate or create openings in the well. This process involves the tool delivering shaped explosion charges in the casing downhole for production. In the perforating gun application, electrical components will experience high pressures, high temperatures, harsh media, sour gas, extreme shock, and vibration, and must maintain signal continuity. If the signal is lost, the tool must be pulled back up which is very expensive making uptime and reliability critical in this application. The Seal-Connect® brand understands this need and includes an extensive electrical portfolio engineered for the world's toughest environments.

SEAL-CONNECT®

Greene Tweed's Seal-Connect portfolio has developed with over 30 years of knowledge and experience in the energy industry. Our standard and custom designed connectors are designed to exceed the requirements of the HPHT downhole environment. The Seal-Connect electrical portfolio features single pin and multi pin connectors created to perform in temperatures up to 350°F and pressures up to 20,000 psi. Seal-Connect products can maintain continuous signal integrity under extreme shock and vibration conditions. Using our Arlon® brand of thermoplastic material, our connectors can withstand harsh media and rapid gas decompression within the well while sustaining high mechanical strength and electrical resistance.



Single Pin Design



3 Pin Design

Below are standard offerings for connectors in perforating gun applications. Custom designs are available to fit any application.

PART NO.	OD (in.)	LENGTH (in.)	MAX TEMPERATURE (°F)	MAX PRESSURE (ksi)	NO. OF CONTACTS	ARLON® MATERIAL
ECSP-010374L1-0000	0.374	1.595	350	20	1	Arlon® 1000
ECSP-010376L1-0000	0.376	0.506	350	20	1	Arlon® 1000
ECSP-030623L2-0000	0.623	0.670	350	20	3	Arlon® 2000

COMPOUND	FEATURES		
Arlon® 1000	Virgin PEEK	<ul style="list-style-type: none"> • Application temperatures up to 400°F 	<ul style="list-style-type: none"> • Excellent chemical compatibility • Strong electrical resistance • Net molded or machined forms available • Filled PEEK and PEK grades available
Arlon® 2000	Virgin PEK	<ul style="list-style-type: none"> • Application temperatures up to 400°F • High resistance to shock and vibration 	
Arlon® 3000XT	Cross Linked PEEK	<ul style="list-style-type: none"> • Application temperatures up to 500° F 	

Greene Tweed

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Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.

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09/22-GT BR-US-EN-019