

HL Fitting for Hazardous Locations

CSA® Certified in the U.S. and Canada with a Pressure Rating of 500 psig



Conax Technologies' HL Compression Seal Fitting is designed for protection in a wide variety of hazardous environments.

The Conax HL Fitting has been CSA® certified in the U.S. and Canada for use in hazardous locations defined by the NEC as Class I, Div. 1 and 2, Groups B, C, and D; Class II, Div. 1 and 2, Groups E, F, and G; and Class III.

HL Fitting Features

- CSA® certified in the U.S. and Canada
- Pressure rated to 500 psig
- Suitable for gas or liquid
- Grafoil® sealant
- PTFE sleeves to protect wires from damage as they leave fitting
- Two body styles—small (1/2" NPT) and large (3/4" NPT)
- 303 SST body and cap material
- Wire, solid 14, 16 or 18 AWG supplied by customer or Conax
- Minimum 18" leads on both ends
- Wires that are easily assembled in the field
- Temperature range from -4°F to 130°F (-20°C to +55°C)

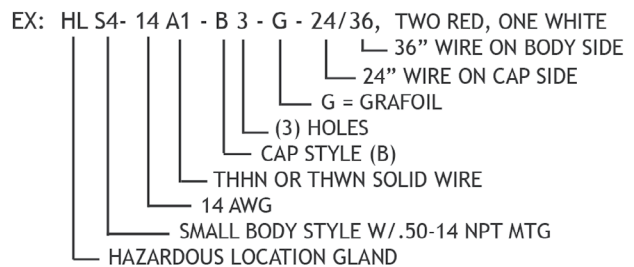
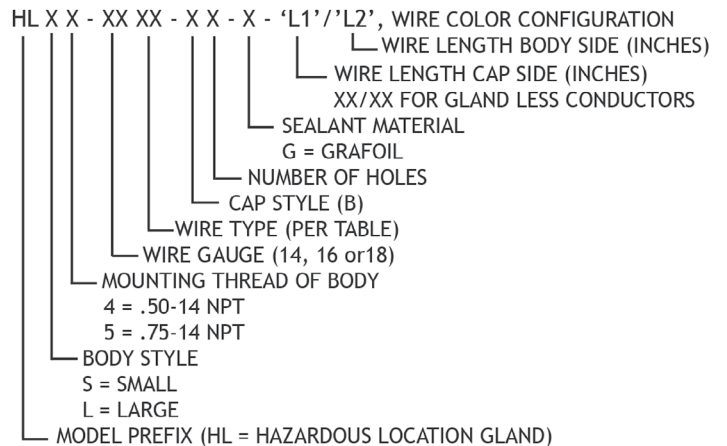
The Conax HL Compression Seal Fitting is a superior solution to Chico® and similar conduit sealing compound fittings commonly used in hazardous environments.

With a mechanically sealed Conax HL Fitting, you won't need to worry about:

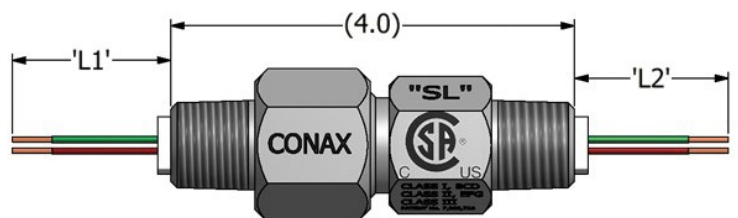
- Cracks in compound sealant or incorrectly installed compound sealants that allow explosive gases or liquids to leak in the conduit system
- Migration of explosive gases through stranded conductors due to a pressure differential in the conduit system

Both situations have the potential for explosive gases or liquids to cause corrosion to instrumentation or, even more problematic, to ignite when in the presence of instrumentation causing damage to property and possible injury to people.

Catalog Numbering System



Specifications



Ideas. Solutions. Success.

Product Selection Guide

Model No.	NPT	No. of Conductors	TORQUE (FT-LBS) GRAFOIL
HLS4-14A1-B2-G HLS4-14A1-B3-G HLS4-14A1-B4-G HLS4-14A1-B6-G	.50-14	2 3 4 6	160-165
HLL5-14A1-B2-G HLL5-14A1-B3-G HLL5-14A1-B4-G HLL5-14A1-B6-G	.75-14	2 3 4 6	160-165
HLS4-16B1-B2-G HLS4-16B1-B3-G HLS4-16B1-B4-G HLS4-16B1-B6-G	.50-14	2 3 4 6	160-165
HLL5-16B1-B2-G HLL5-16B1-B3-G HLL5-16B1-B4-G HLL5-16B1-B6-G	.75-14	2 3 4 6	160-165
HLS4-18B1-B2-G HLS4-18B1-B3-G HLS4-18B1-B4-G HLS4-18B1-B6-G HLS4-18B1-B8-G	.50-14	2 3 4 6 8	160-165
HLL5-18B1-B2-G HLL5-18B1-B3-G HLL5-18B1-B4-G HLL5-18B1-B6-G HLL5-18B1-B8-G	.75-14	2 3 4 6 8	160-165

Wire Diameter Guide

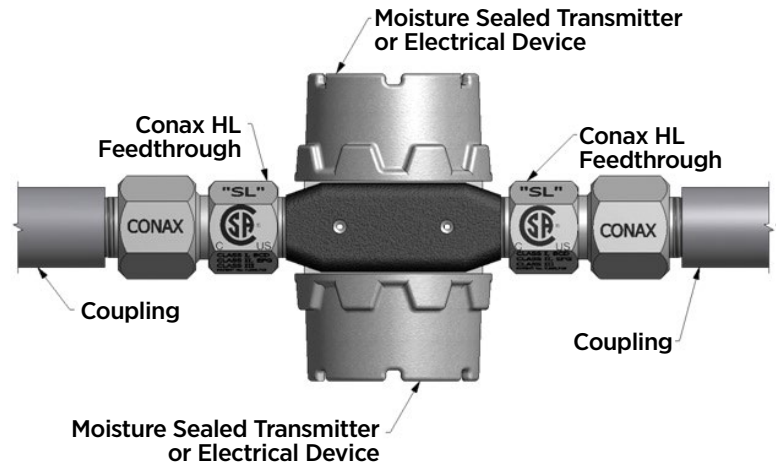
Wire Diameter with Insulation

CBT Wire Code *	Wire Type	14 AWG	16 AWG	18 AWG
A 1	THHN THWN	.100 - .110	-	-
B 1	TFN	-	.088 - .098	.078 - .088



When HL Fittings are supplied with factory installed wires from Conax, the fittings are factory torqued. A bar is laser engraved across the Body and Cap to allow user to verify that the fitting is still properly torqued.

Typical HL Compression Seal Fitting Installation



Conax Technologies—Your complete source for Compression Seal Fittings

Conax Technologies designs and manufactures a complete line of pressure/vacuum mechanical seal fittings and assemblies for wires and probes for virtually every industry.

A wide range of standard seal fittings are available from stock, while unlimited custom designs are also available for unique wire or probe sealing applications.

Request our Compression Seal Fitting Catalog or visit conaxtechnologies.com

The standard ranges of sealing assemblies shown in our literature can be customized by using other materials for seal fitting bodies, selecting special sealant materials, and specifying optional mounting and cap threads.

Our knowledgeable, experienced staff welcomes the opportunity to discuss any customized compression seal fitting solution you need.

Call us at +1 800 223 2389!

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Chico is a registered trademark of Cooper Crouse-Hinds.

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