

HL Fittings for Hazardous Locations

BSWS/TWS SERIES ▲
HL SERIES



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
- Teflon™ 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: -4 °F to +130 °F (-20 °C to +55 °C)

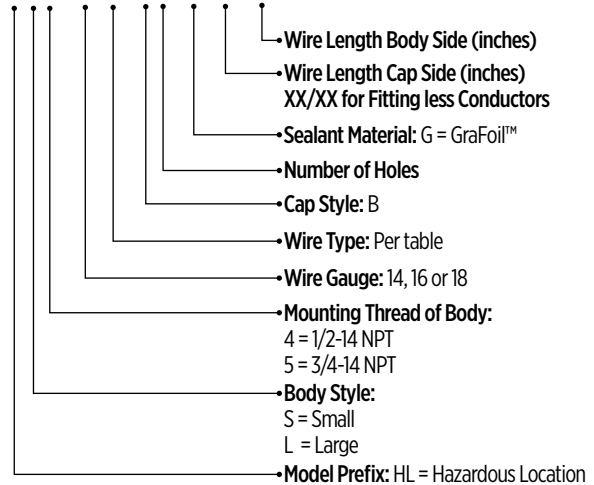
The Conax HL Compression Seal Fitting is a superior solution to Chico™ and similar conduit sealing compound fittings commonly used in hazardous environments. With a mechanically sealed Conax HL Fitting, you won't need to worry about:

- 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.

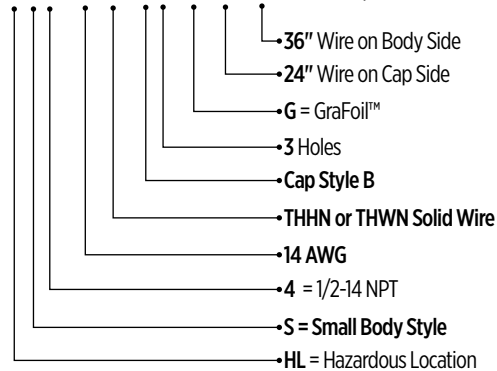
Catalog Numbering System

HL XX - XX XX - XX - X - L1 / L2 WIRE COLOR CONFIGURATION



Example:

HL S 4 - 14 A1 - B 3 - G - 24 / 36 TWO RED, ONE WHITE



Example:

HL S 4 - 14 A1 - B 3 - G - XX / XX (without conductors)

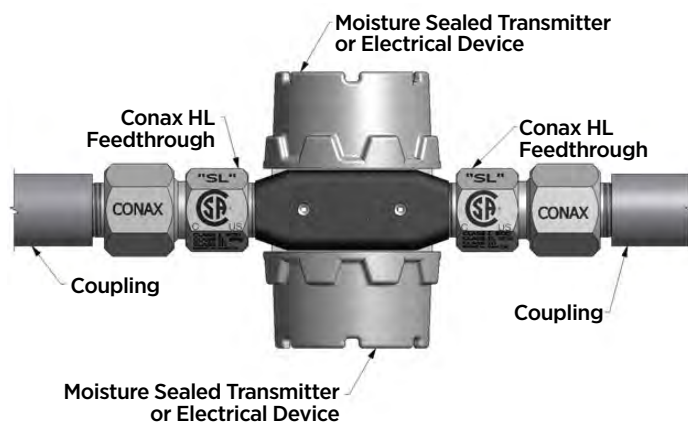
Specifications



Product Selection Guide			
Model Number	NPT	Number of Conductors	Torque (ft-lbs) GraFoil™
HLS4-14A1-B2-G	1/2-14	2	160-165
HLS4-14A1-B3-G		3	
HLS4-14A1-B4-G		4	
HLS4-14A1-B6-G		6	
HLL5-14A1-B2-G	3/4-14	2	160-165
HLL5-14A1-B3-G		3	
HLL5-14A1-B4-G		4	
HLL5-14A1-B6-G		6	
HLS4-16B1-B2-G	1/2-14	2	160-165
HLS4-16B1-B3-G		3	
HLS4-16B1-B4-G		4	
HLS4-16B1-B6-G		6	
HLL5-16B1-B2-G	3/4-14	2	160-165
HLL5-16B1-B3-G		3	
HLL5-16B1-B4-G		4	
HLL5-16B1-B6-G		6	
HLS4-18B1-B2-G	1/2-14	2	160-165
HLS4-18B1-B3-G		3	
HLS4-18B1-B4-G		4	
HLS4-18B1-B6-G		6	
HLS4-18B1-B8-G		8	
HLL5-18B1-B2-G	3/4-14	2	160-165
HLL5-18B1-B3-G		3	
HLL5-18B1-B4-G		4	
HLL5-18B1-B6-G		6	
HLL5-18B1-B8-G		8	

Wire Diameter Guide (Diameter with Insulation)				
Model Number	Wire Type	14 AWG	16 AWG	18 AWG
A1	THHN, THWN	.100-.110	—	—
B1	TFN	—	.088-.098	.078-.088

Typical Installation



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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.

