



Hazardous Location Connection Kits



Power Connection Kit

- Explosion Proof Box Providing Electrical Connection for 1 Cable

End Seal Kit

- Explosion Proof Box Providing Termination for 1 Cable

Splice Kit

- Explosion Proof Box Providing Cable Entry for 2 cables

Tee Kit

- Explosion Proof Box Providing Cable Entry for 3 Cables

Signal Light Kit

- Explosion Proof Signal Light Kit with LED

Description

The HL Series Connection System for Chromalox heating cable products is specifically designed to comply with the requirements of Division 1 hazardous areas.

Applications

- Process Temperature Maintenance
- Fluid Flow and Viscosity Maintenance

Approvals

FM - Factory Mutual Certified for use in ordinary areas and:

Class I, Division 1, Groups B, C, D
Class II, Division 1, Groups E, F, G
Class III, Division 1

CSA Certified for use in ordinary areas and:

Class I, Division 1, Groups B, C, D
Class II, Division 1, Groups E, F, G

Features

- High strength aluminum alloy cast bodies
- Corrosion resistant
- Internally threaded junction box body with externally threaded cover
- Seal fitting applicable for use on vertical or horizontal conduit



Chromalox[®]
PRECISION HEAT AND CONTROL

HL Series Connection System Accessories

Available Models

Power Connection Kit for Hazardous Locations HL-PC

The Model HL-PC Hazardous Location Power Connection Kit is a Division 1 certified junction box and seal fitting. The pipe stand-off and seal fitting combination provides a water resistant and explosion proof seal. The junction box has a 3/4" opening with top or side entry for the power connection. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

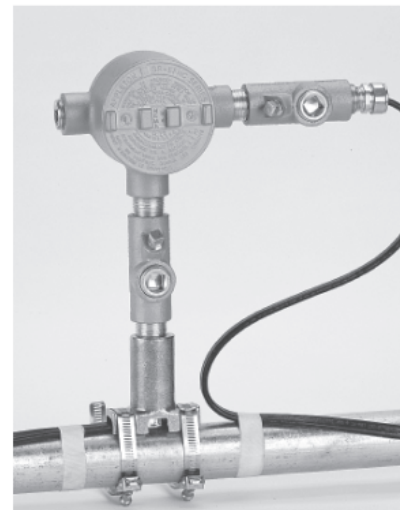
End Seal Kit for Hazardous Locations HL-ES

The Model HL-ES Hazardous Location End Seal Kit is a Division 1 certified junction box and seal fitting. This kit is designed for end of run sealing for self regulating cable in Division 1 areas. The pipe stand-off and seal fitting combination provides a water resistant and explosion proof seal. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

Splice Kit and Tee Kit for Hazardous Locations HL-S and HL-T

The Models HL-S and HL-T Hazardous Location Kits are a Division 1 certified junction box and seal fittings. These kits are designed for the splicing of two or three self-regulating cables in Division 1 areas. The cable entry fitting and seal fitting combination provides a water-resistant and explosion proof seal. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

Exterior Construction



Power Connection Kit

- Pipe standoff allows for easier installation of heat trace insulation system
- Opening for 3/4" male fitting
- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Simple sealing compound kit

End Seal Kit

- Pipe standoff allows for easier installation of heat trace insulation system
- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Simple sealing compound kit

Splice & Tee Kit

- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Cable entry fittings provide water tight seal
- Simple sealing compound kit
- The splice kit provides entry for two cables
- The tee kit provides entry for three cables

HL Series Connection System Accessories

Ordering Information



End Seal Kit for Hazardous Locations HL-ES

382221

- (1) 3/4" junction box
- (1) Seal fitting
- (1) End seal
- (1) Tube of RTV
- (1) Butt splice
- (1) Pipe stand-off
- (1) Sealing grommet
- (1) Sealing compound
- (1) Ring terminal
- (1) Green grounding wire



Splice Kit for Hazardous Locations HL-S

382205

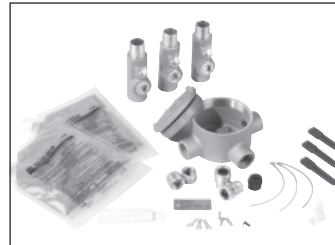
- (1) 3/4" box
- (1) Cable entry fitting
- (2) 3/4" Seal fitting with nipple
- (1) Sealing compound & fiber
- (2) 4" 12 AWG leadwires (green)
- (1) Small RTV tube
- (2) Butt splice
- (2) Ring terminal
- (1) Pipe standoff
- (1) Sealing grommet
- (1) Stainless steel label
- (1) Conduit plug
- (1) Extra grounding screw
- (2) Wire nuts
- (2) Power termination seal
- (1) 3/4" to 1/2" reducing bushing



Power Connection Kit for Hazardous Locations HL-PC

382192

- (1) 3/4" junction box
- (1) Seal fitting
- (1) Ring terminal
- (1) Tube of RTV
- (2) Termination seal
- (1) Pipe stand-off
- (1) Sealing grommet
- (1) Conduit plug
- (1) Sealing compound
- (1) Butt splice
- (3) 12 AWG leads
- (4) Wire nuts



Tee Kit for Hazardous Locations HL-T

382213

- (1) 3/4" box
- (2) Cable entry fitting
- (3) 3/4" Seal fitting with nipple
- (2) Sealing compound & fiber
- (3) 4" 12 AWG leadwires (green)
- (1) Small RTV tube
- (3) Butt splice
- (3) Ring terminal
- (1) Pipe standoff
- (1) Sealing grommet
- (1) Stainless steel label
- (1) Extra grounding screw
- (2) Wire nuts
- (3) Power termination seal
- (2) 3/4" to 1/2" reducing bushing



Caution Labels CL-1

382424

- (5) Electric heat tracing caution labels; weather resistant



208 - 277V Division 1 Signal Light Kit D1SL2

393692

Explosion proof pilot light for use with HL-PC kit. Pilot light kit made with 3/4" NPSM threads and 8" flexible leads. Red LED lens. For 208-277V system.



120V Division 1 Signal Light Kit D1SL1

393684

Explosion proof pilot light for use with HL-PC kit. Can be used as a power connection light or end seal light. Pilot light kit made with 3/4" NPSM threads and 8" flexible leads. Red LED lens. For 120V system.

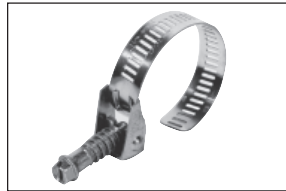
HL Series Connection System Accessories

Ordering Information (Cont.)



**Fiberglass Tape
Cable Attachments
FT-3
389941**

66' roll of glass cloth tape with pressure-sensitive thermosetting adhesive 3/8" wide. 310°F (155°C) rating. Strap at one foot intervals at minimum application temperatures of 40°F (5°C)



**Metal Pipe Strap
Kit Attachments**

PS-1 382352
1/2" to 3/4" pipes



PS-3 382360
1" to 3-1/2" pipes

PS-10 382379
2-1/2" to 9"
Interlock straps for larger
diameter pipes



**Aluminum Tape
Cable Attachments
AT-1
383355**

180' roll of aluminum foil installation tape with pressure-sensitive acrylic adhesive. 2-mil thickness with high tensile strength; 2-1/2" wide. 200°F (93°C) rating. Minimum application temperatures 40°F (5°C)



Replacement Blades

14 awg

BL-1 393529

Blades for use with the Cable Stripping Tool. 14 awg blades for HSRM and SRM/E products.

16 awg

BL-2 393537

Blades for use with the Cable Stripping Tool. 16 awg blades for HSRL and SRL, SRF and Thermwire products.

20 awg

BL-3 393545

Blades for use with the Cable Stripping Tool. 20awg blades for SRR, SRS and STW products.



**Cable Stripping Tool
w/16 awg Blades
393510**

Tool for stripping the base jacket and the conductive matrix from the cable buss wires. The tool is stocked with 16 awg blades for stripping HSRL, SRL, SRL and Thermwire products.



**Sealing Compound Pouch
382238**



**Seal Fitting
382248**