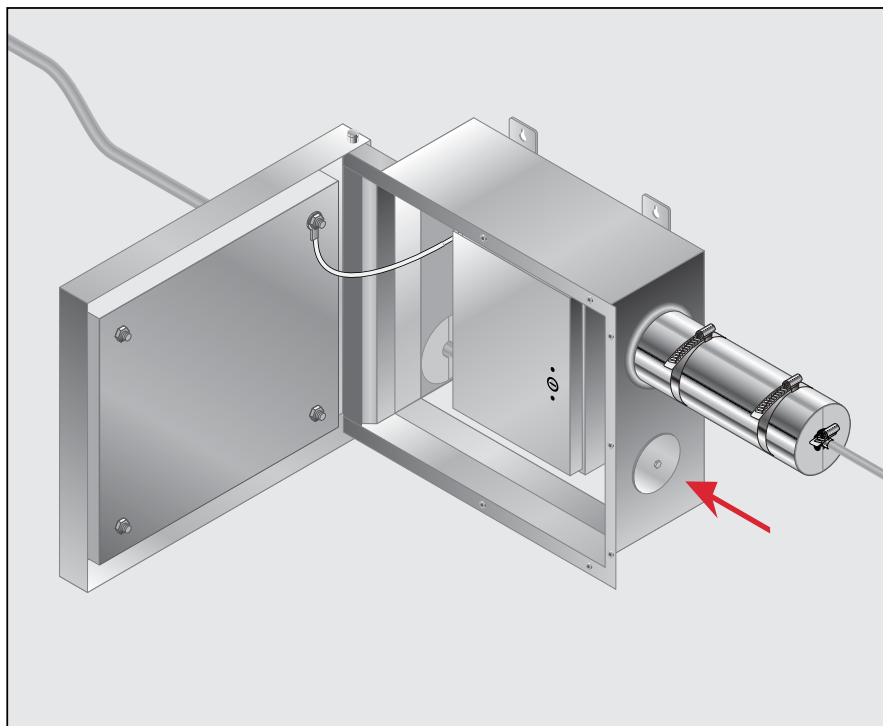


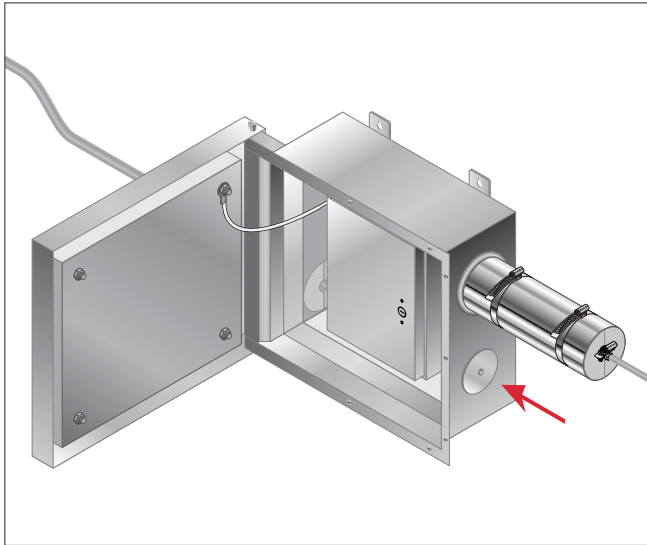


**PYROTENAX**

# Fire-Rated Three-Way Splice End Enclosure Sealing Kit

Instructions for Sealing the Unused Entry of the Final  
Fire-Rated Three-Way Splice Enclosure of a Series





## DESCRIPTION

This kit is used to seal the final enclosure of a given circuit. This kit contains the necessary NPT plug to seal the type 4X inner enclosure as well as the insulation, steel protection and retaining bolt for the outer enclosure.

For compliance with NEC (NFPA 70, 2014 edition) article 728.5F, this kit must be installed using System 1850 cables if the intent is to create a 1-hour fire rated circuit.

The components supplied with this kit shall be used to complete the splice. Substituting other materials or components will void the 1-hour fire rating and approvals.

For Technical support contact your Thermal Management representative or call (800) 545-6258.

## TOOLS REQUIRED

- Wrench for NPT plug  
3/4 in NPT: 27MM (1-1/16 in)  
1 in NPT: 36 MM  
1-1/4 in NPT: 46 MM (1-13/16 in)
- Loctite(R) 567(TM) instant thread sealant
- 7/16 in wrench (x2) for SS bolt and nut
- Caulking Gun
- Safety goggles and gloves

## APPROVALS

### Electrical Enclosure:



### Inner Enclosure:

Type 4X

### Completed Splice (With Installed Sealing Kit):

- Splice is part of the Electrical Circuit Integrity System (FHIT) System No. 1850 in the UL Fire Resistance Directory when used with UL Classified System No. 1850 (tested with hose stream)
- Splice is part of the Electrical Circuit Integrity System Certified for Canada (FHIT7) System No. 1850 in the ULC Fire Resistance Directory when used with ULC Classified System No. 1850 Cable (tested with hose stream)



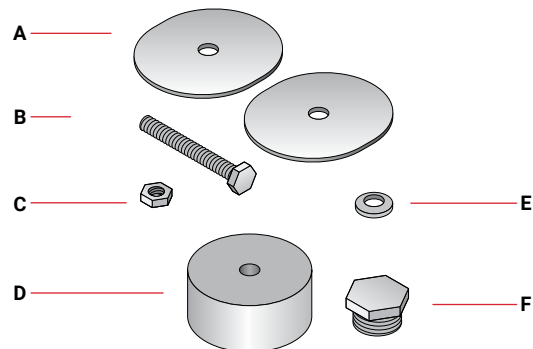
UL Classified, 1-hour fire-resistive cable, tested to UL 2196



ULC Listed, 1-hour fire-resistant cable, tested to ULC-S139

## KIT CONTENTS: ALL TYPES

Item	Qty	Description
A	2	Stainless Steel disc
B	1	Stainless Steel bolt
C	1	Stainless Steel nut
D	1	Insulation plug
E	1	Stainless Steel Belleville washer
F	1	NPT plug (3/4", 1" or 1 1/4")



## WARNING:

This component is an electrical device that must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings carefully and follow all installation instructions.


- Store all sealing kit components indoors in a clean, dry area.

## CAUTION:

**HEALTH HAZARD.** Consult your Thermal Management representative or call (800) 545-6258 for MSDS safety information regarding the calcium silicate box insulation and plug.

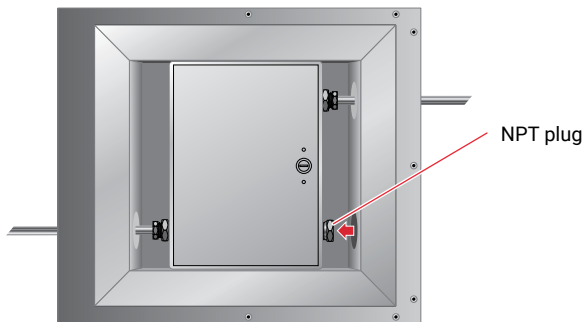
1

- Apply a 360° bead of Loctite 567 thread sealant to NPT plug threads, leaving the first 2 threads free. Wrench tighten the NPT plug to the inner enclosure threaded entry.

 **Note:** The NPT plug must be sufficiently torqued to achieve the desired sealing requirement and keep the Type 4X rating.

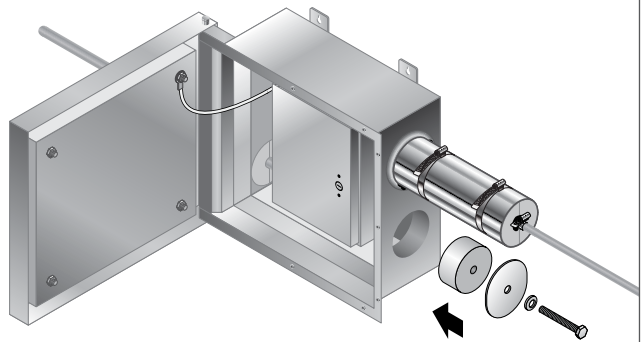
Leave two  
threads free

NPT plug



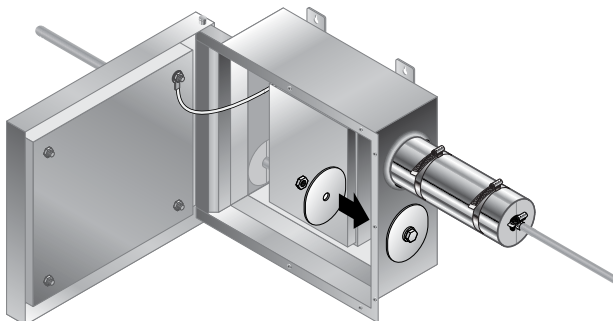
2

- Insert Insulation Plug into the opening of the outer enclosure. Place Stainless Steel blanking disc over the insulation outside and insert the screw with the Belleville washer on it.



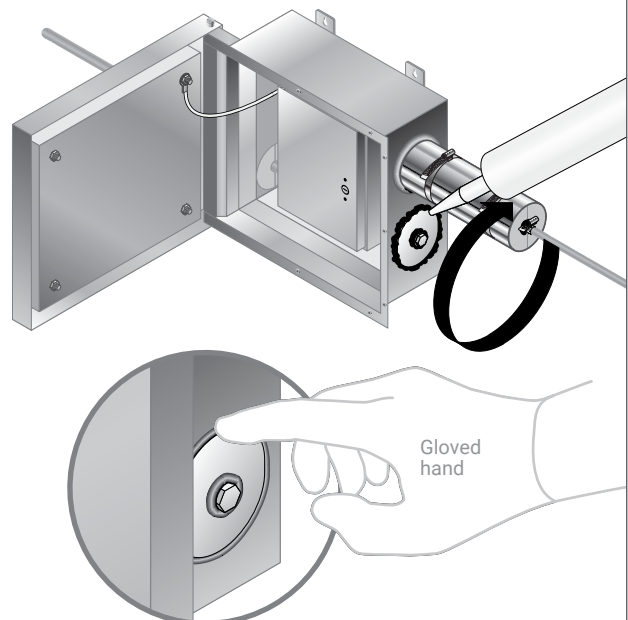
3

- Install Stainless Steel blanking disc over the insulation plug and screw on the inside of the enclosure.
- Tighten screw to 45 in-lbs.



4

- Apply a ¼" (6 mm) Bead of fire barrier sealant around the Stainless Steel blanking disc and screw head on the outside of the enclosure.
- Using Gloves, ensure there is sealant all around by running your finger around the circumference.



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