

## Design Number 3MU/AF 60-03

April 26, 2013

APPLIED FIREPROOFING

3M Company

3M™ Interam™ E-5, E-54-A and E-5A-4 Series Endothermic Mat

3M™ Fire Barrier CP 25WB+ Caulk

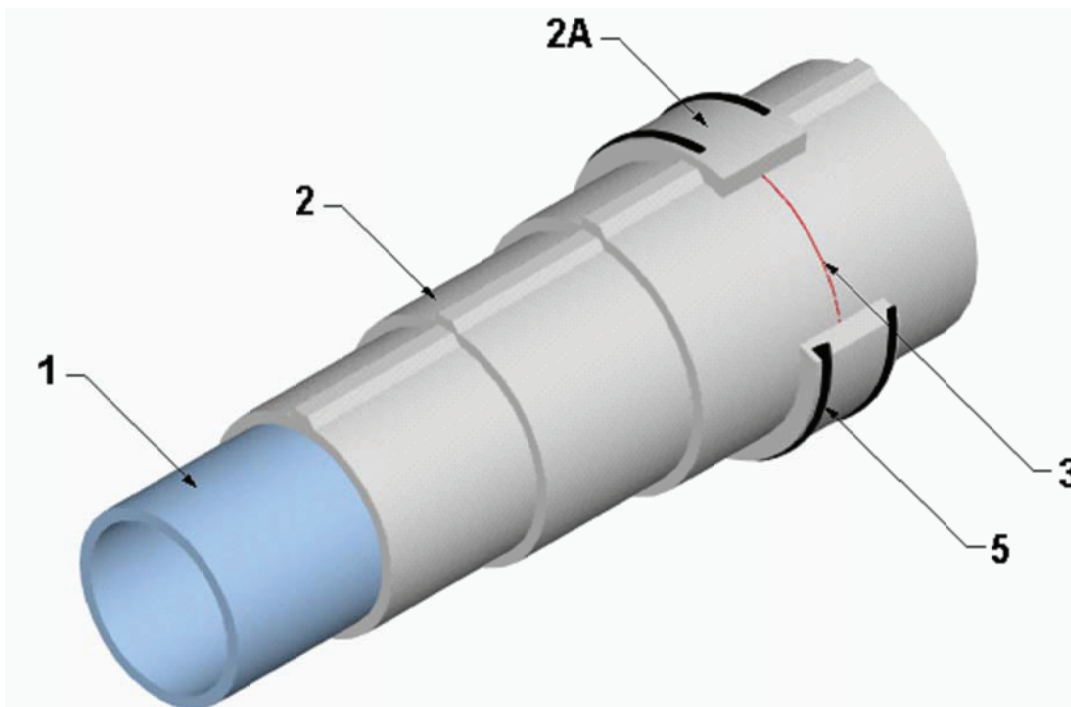
ASTM E 1725 (2008)

ASTM E 119 (2012)

Rating: 1 Hour

Approved for any cable fill

Reference Intertek Design Listing 3MU/AF 60-07 for Ampacity Derating



1. CONDUIT: Use minimum 1 in. (or larger) rigid galvanized steel conduit (RMC) or galvanized steel electrical metallic tubing (EMT) with a minimum linear weight per foot of 0.64 lbs/ft.
2. CERTIFIED MANUFACTURER: 3M Company  
CERTIFIED PRODUCT: Applied Fireproofing  
MODEL: 3M™ Interam™ E-5, E-54-A and E-5A-4 Series Endothermic Mat  
ENDOTHERMIC MAT: Install 3 layers of foil faced flexible mat tightly around the conduit (Item 1). Install each piece of mat with a minimum 2 in. overlap onto itself and temporarily hold in place using filament tape if needed.
  - A. COLLAR: Install nominal 4 in. wide strip of endothermic mat (Item 2) around outer layer of the wrapped conduit (Item 1). Center collar over butt joints over outer layer and secure using steel banding (Item 5).
3. CERTIFIED MANUFACTURER: 3M Company  
CERTIFIED PRODUCT: Caulk or Sealant  
MODEL: 3M™ Fire Barrier CP 25WB+ Caulk  
CAULK: Install caulk between butt joints of endothermic mat (Item 2) on all layers. Alternative use is to fill gaps and voids along seams greater than 1/8 in. wide.
4. TAPE: (Not Shown) Apply 4 in. wide pressure sensitive tape with aluminum foil facing to all exposed edges of the collar (Item 2A) as well as the longitudinal (overlap) joints of the endothermic mat (Item 2) on the outer layer.
5. STEEL BANDING: Install 1/2 in. wide x 0.020 in. thick stainless steel banding on the outer layer of the endothermic mat (Item 2). Install banding within 1 in. of the edge of collars (Item 2A) and butt joints and maximum 12 in. on center at all other locations.

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Flexible Wraps

Endothermic Mat

Applied Fireproofing

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