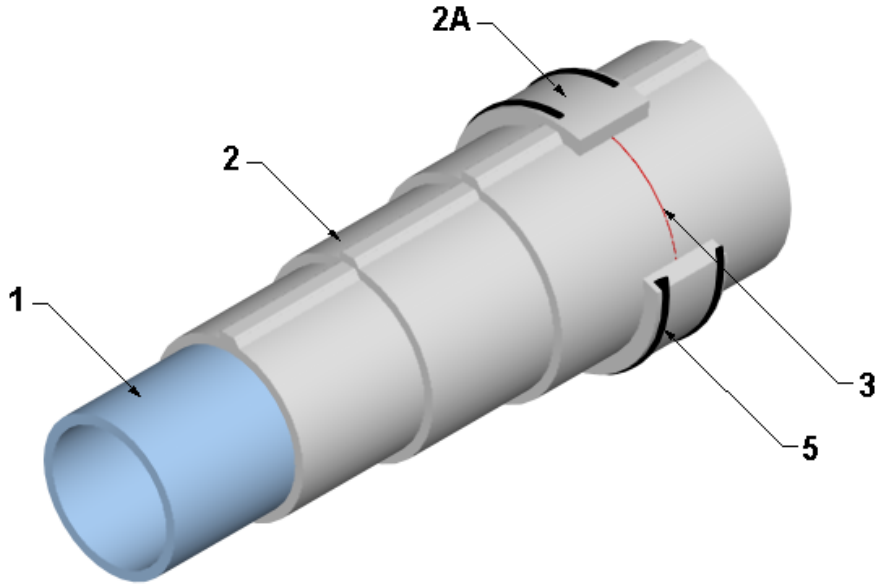
Design Number 3MU/AF 60-03
APPLIED FIREPROOFING
3M Company
3M™ Interam™ E-5, E-54-A and E-5A-4 Series Endothermic Mat
3M™ Fire Barrier CP 25WB+ Caulk
ASTM E 1725 (2008)
ASTM E 119 (2012)
Rating: 1 Hour
Approved for any cable fill
Reference Intertek Design Listing 3MU/AF 60-07 for Ampacity Derating



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.