

3M Company
Design No. 3MU/AF 180-02
 (Formerly Design Number ECP 529)
Applied Fire Proofing
Cable Bundle
3M™ Interam™ E-5, E-54-A, and E-5A-4 Series Endothermic Mat
ASTM E1725 (2008), ASTM E119 (2012)
Rating: 3 Hour
 (Approved for any cable fill)

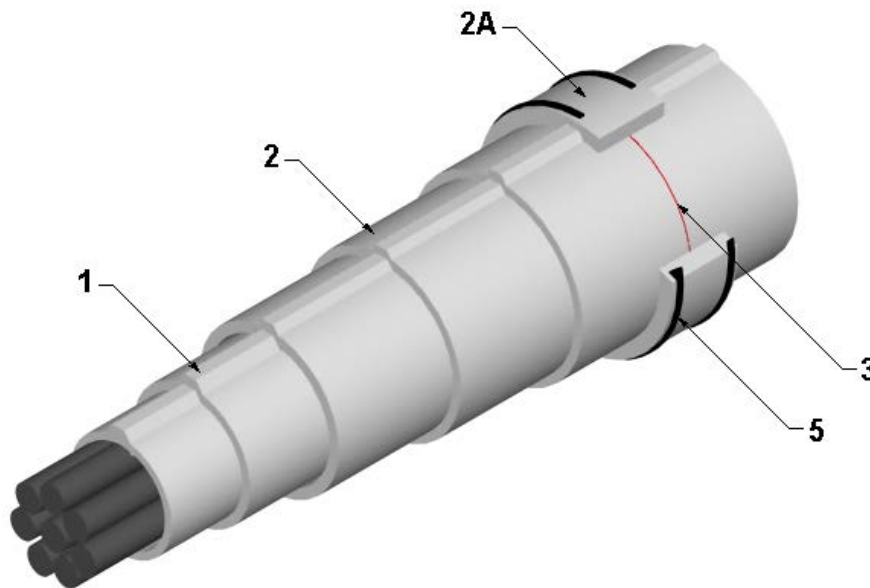


Figure 1 – Cable Bundle Protection

1. CABLE BUNDLE: Use any number or type of cables.

2. CERTIFIED MANUFACTURER: 3M Company

CERTIFIED PRODUCT: Applied Fireproofing

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

ENDOTHERMIC MAT: Install five layers of foil-faced flexible mat tightly around the cable bundle (Item 1). Install each piece of mat with a min. 2 in. overlap at the seam with the internal diameter of the air drop being min. 2 in. The endothermic mat is to continue past

the innermost layer of protection of the adjacent cable tray (not shown).

A. COLLAR – Install min. 4 in. wide strips of endothermic mat (Item 2) around outermost layer at the base of the air drop at the cable entry point. The collar serves as support for the adjacent cable tray protection.

3. CERTIFIED MANUFACTURER: 3M Company

CERTIFIED PRODUCT: Caulk or Sealant

CERTIFIED 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. ALUMINUM 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 max. 12 in. on center (oc) at all other locations.