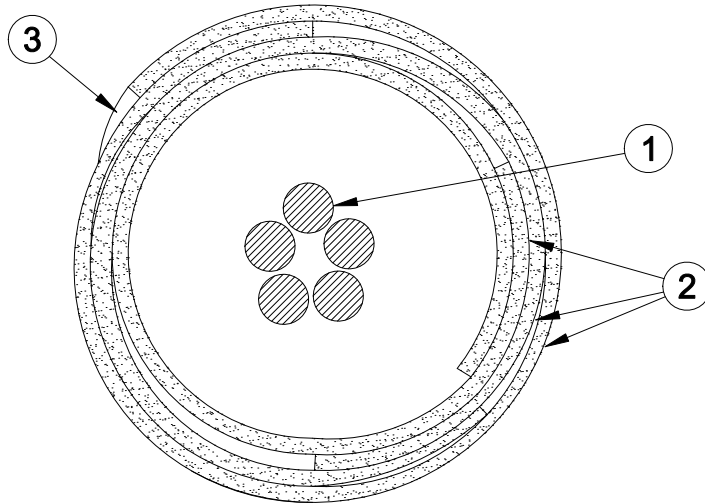


Design No. ECP-526
2002
 (Approved for any cable fill)
 Assembly Rating - 1 hr



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **CABLE BUNDLE:** Cable mass to be protected. Any number and type of cable.
2. **MAT MATERIALS:** The raceway protection assembly consists of endothermic mat, aluminum foil tape and endothermic caulking. The assembly shall be installed according to the installation instructions supplied by the manufacturer of the Mat Materials. The assembly details are as follows:
- A. **Endothermic Mat:** Foil faced flexible sheet supplied in rolls. The endothermic mat is applied in multiple layers to achieve varying classifications. A total of three layers of endothermic mat is required for this assembly. The mat is cut to size and wrapped about the cable bundle such that a 2 in. overlap (min.) is present at the seam with the internal diameter of the air drop being a min. of 2 in. The endothermic mat is to continue past the innermost layer of protection of the adjacent cable tray. The endothermic mat is also applied circumferentially, in min. 2 in. wide strips (collar), at the base of the air drop, at the cable tray entry point, and the final (outer) layer. This collar is to serve as support for the adjacent cable tray protection.
- Listed Manufacturer:**
 3M -
 Applied Fireproofing
 Endothermic Mat
 Fire Barrier Interam™ E-5 Series Mats
 Interam™ E-54-A Mat
 Interam™ E-54-A Mat
- B. **Endothermic Caulk:** Applied to fill circumferential butt joints between adjacent sections of endothermic mat in all layers. Additional application is used to fill all gaps or voids present along seams that are greater than 1/8 in. wide.
- Listed Manufacturer:**
 3M -
 Joint Sealant Caulk
 Fire Barrier Interam™ FireDam™ 150 Caulk
- C. **Aluminum Foil Tape:** Nom. 4 in. wide, pressure-sensitive, aluminum foil tape supplied in rolls. The aluminum foil tape is used to secure the edges of collars on the final (outer) layer of endothermic mat. The aluminum foil tape is also used to secure the longitudinal (overlap) joints in the final layer of endothermic mat.
3. **STEEL BANDING:** 1/2 in. x .020 in. stainless steel banding installed over final (outer) layer of endothermic mat. Spaced 12 in. o.c. and within 1 in. of the edge of all collars.

CONSULT CURRENT INDEPENDENT LABORATORIES (UL) FOR SYSTEMS OR DESIGN DETAILS.			
PROJECT	SHT 1 of 1	SIGNATURE	DATE
	ECP526.DWG		
SYSTEM/DESIGN NO.	DATE	NOT FOR USE AS CONSTRUCTION DOCUMENT.	All statements, technical information recommendations contained herein are based on tests we believe to be reliable. However since the conditions of use and application are beyond our control, 3M shall not be liable for any damage direct or consequential resulting from the use of this material or design. 3M's only warranty shall be to replace our products proved to be defective.
ECP-526	2002	DRAWING NOT TO SCALE.	
3M Fire Protection Products			