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

1. CABLE BUNDLE: Cables seem to be protected. Any number and type of cables.

2. MAT MATERIAL: The necessary protection assembly consists of endothermic mat, aluminum foil tape, and endothermic material. The assembly shall be installed according to the manufacturer's instructions supplied by the manufacturer of the listed component. The necessary details are as follows:

A. Endothermic Mat: Full-foiled, Battelle sheet supplied in rolls. The endothermic mat is applied in multiple layers to achieve varying dimensions. A total of three layers of endothermic mat is required for this assembly. The mat is not to be used for any other purpose than the one described above. The endothermic mat is placed on the metal conduit at a 90° angle, and the endothermic layer is placed on the side of the conduit facing the conduit side facing the assembly. The endothermic mat is also applied to the inside of the conduit, both inside and outside of the conduit, at the base of the conduit, at the cable entry point, and the first (outer) layer. This outer layer is to serve as support for the adjacent cable to be protected.

B. Lined Interlayer:
- EMI
- Applied Preformed
- Endothermic Mat
- Fire Barrier Insulation
- Intumescent SBA-4 Mat

C. Fire Retardant: Afireproof test to fill the perforated metal pipe to achieve the maximum amount of endothermic mat in all layers. Additional application is used to fill all gaps or voids present, ensuring that no greater than 120 ft.-wells.

D. Lined Interlayer:
- EMI
- Applied Preformed
- Endothermic Mat
- Fire Barrier Insulation

- Intumescent SBA-4 Mat

3. STEEL SHEATH: 1/8 in. x 3/8 in. aluminum sheet bonding installed near first (outer) layer of endothermic mat, spaced 1/8 in. max. and within 1 ft. of the edge of all cables.