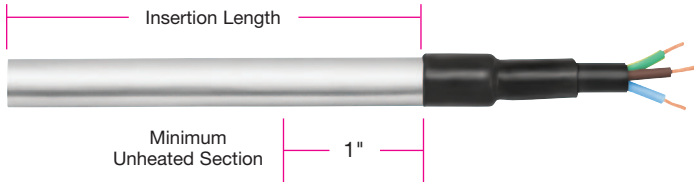


### Cartridge Heater — Moisture Resistant Terminations



#### Type M1 Polyolefin Liquid Barrier

Available on HDC, HDM, and LDC cartridge heaters

A liquid barrier used for low temperature applications primarily in refrigeration or food service applications. The seal bonds to both the heater and the leads.

- Minimum 1" unheated section at the lead end is required.
- Three conductor SJO type cord.
- Available only in certain diameters. Heaters smaller than 1/2" diameter require an adapter.
- **Standard 10" (254 mm) leads. Specify longer leads.**

#### Type M2 Potted End Seal

Available on HDC, HDM and LDC cartridge heaters

Potted end seals help to protect the heater from moisture or contamination from plastic material, cleaning solvents, or oils. The bottom end disc seal is welded in.

**M2A** Cement potting with silicone varnish. Fiberglass lead wires externally connected.

- Cement potting temperature rating: 1000°F (538°C)
- Standard lead wire temperature rating: 482°F (250°C)

**M2B** Silicone rubber potting. Silicone rubber lead wires internally connected.

- Silicone rubber potting temperature rating: 392°F (200°C)
- Standard lead wire temperature rating: 392°F (200°C)

**M2C** High temperature epoxy potting. Teflon® lead wires internally connected.

- High temp. epoxy potting temp. rating: 450°F (232°C)
- Standard lead wire temperature rating: 392°F (200°C)

**M2D** Low temperature epoxy potting. Teflon® lead wires internally connected.

- Low temp. epoxy potting temp. rating: 266°F (130°C), UL rated to 194°F (90°C)
- Standard lead wire temperature rating: 392°F (200°C)

**M2E** Cement potting with silicone varnish. Fiberglass lead wires internally connected.

- Cement potting temperature rating: 1000°F (538°C)
- Standard lead wire temperature rating: 482°F (250°C)
- Minimum of 3/8" up to 1" unheated section at the lead end is required.
- **Standard 10" (254 mm) leads. Specify longer leads.**

#### Type M3 Teflon® End Plug Seal

Available on HDC and HDM cartridge heaters

A moisture resistant Teflon® seal that is swaged in during the manufacturing process with Teflon® insulated lead wire.

- Minimum 3/8" up to 1" unheated section at the lead end is required.
- Teflon® seal temperature rating: 392°F (200°C)
- Standard lead wire temperature rating: 392°F (200°C)
- **Standard 10" (254 mm) leads. Specify longer leads. Leads longer than 60" require a splice.**



TYPE M2B, M2C, M2D and M2E



 M2A and M2E are available through the Hi-Density Cartridge Heater Terminator Program for 2nd or 3rd Day Shipping



**Note:** Type M3 is the **Standard Termination** for Tempco's Miniature Hi-Density Cartridge Heaters. See pages 2-10 and 2-11 for complete details.