

Miniature Cartridge Heater Standard Termination

Type M3 Teflon® End Plug Seal with Teflon® Leads

Standard Termination for 1/8", 5/32" & 3/16" Diameters

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

- ▶ Minimum 1/2" unheated section at lead end is required
- ▶ 24 ga Teflon® insulated leads temperature rating: 392°F (200°C)
- ▶ Moisture resistant swaged Teflon® seal
- ▶ **Standard 10"** (254 mm) leads. Specify longer leads.

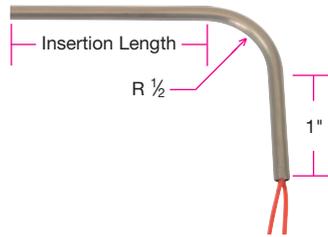


Miniature Cartridge Heater Sheath Options

Type R4 Bent Cartridge

The heater sheath is bent up to 90°. The bend is through a required unheated section. The standard sheath extension past the bend is 1". Specify when ordering if a longer sheath is required.

Contact Tempco for bend radius details.



Type LR Locating Ring

A locating ring can be attached to the heater to aid in positioning the heater for the application.

The default position of the ring is 1/4" from the lead end. Specify the position of the ring when ordering.



Additional Terminations for 1/8" Diameter Cartridge Heaters

Type N External Pins with Leads

Flexible stranded lead wires have fiberglass insulation and are connected to 1-1/4" (32 mm) long solid conductors. Silicone rubber coated fiberglass sleeving insulates the pin/lead wire connection.

- ▶ Minimum 1/4" unheated section at lead end is required
- ▶ 24 ga ultralead leads temperature rating: 482°F (250°C)
- ▶ Silicone rubber coated fiberglass sleeving temperature rating: 392°F (200°C)
- ▶ Leads externally crimped to nickel pins
- ▶ **Standard 10"** (254 mm) leads. Specify longer leads.



Type F Internally Connected Flexible Leads

The fiberglass lead wires are internally connected to the terminal pins. This lead termination provides flexibility, permitting the lead wires to be sharply bent as they exit the heater.

- ▶ Minimum 1/2" unheated section at lead end is required
- ▶ High temperature fiberglass leads temperature rating: 842°F (450°C)
- ▶ **Standard 10"** (254 mm) leads. Specify longer leads.



Type C1B Stainless Steel Armor Cable, Mechanically Fastened

Armor cable provides the maximum in protection for abrasive, jagged environments. The coupling between the cartridge and the armor cable is mechanically fastened.

- ▶ Minimum 1/4" unheated section is required
- ▶ Standard fiberglass lead wire temperature rating 482°F (250°C)
- ▶ **Standard 10"** (254 mm) cable over 12" (305 mm) leads. Specify longer leads or cable.



Type W SS Braid, Mechanically Fastened

Stainless steel braid over fiberglass leads offers sharp bending not possible with armor cable, as well as abrasion protection.

- ▶ Minimum 1/4" unheated section is required
- ▶ Standard lead wire temperature rating: 842°F (450°C)
- ▶ **Standard 10"** (254 mm) cable over 12" (305 mm) leads. Specify longer leads or cable.

