

## Cable Heaters

### Coiled Nozzle

The Watlow coiled nozzle heater features a five-inch long no-heat tail section. This design advantage eliminates failures in the adaptor area due to overheating.

#### **Performance Capabilities**

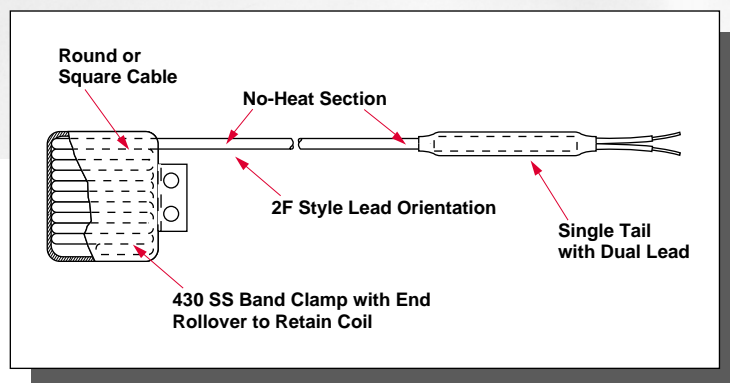
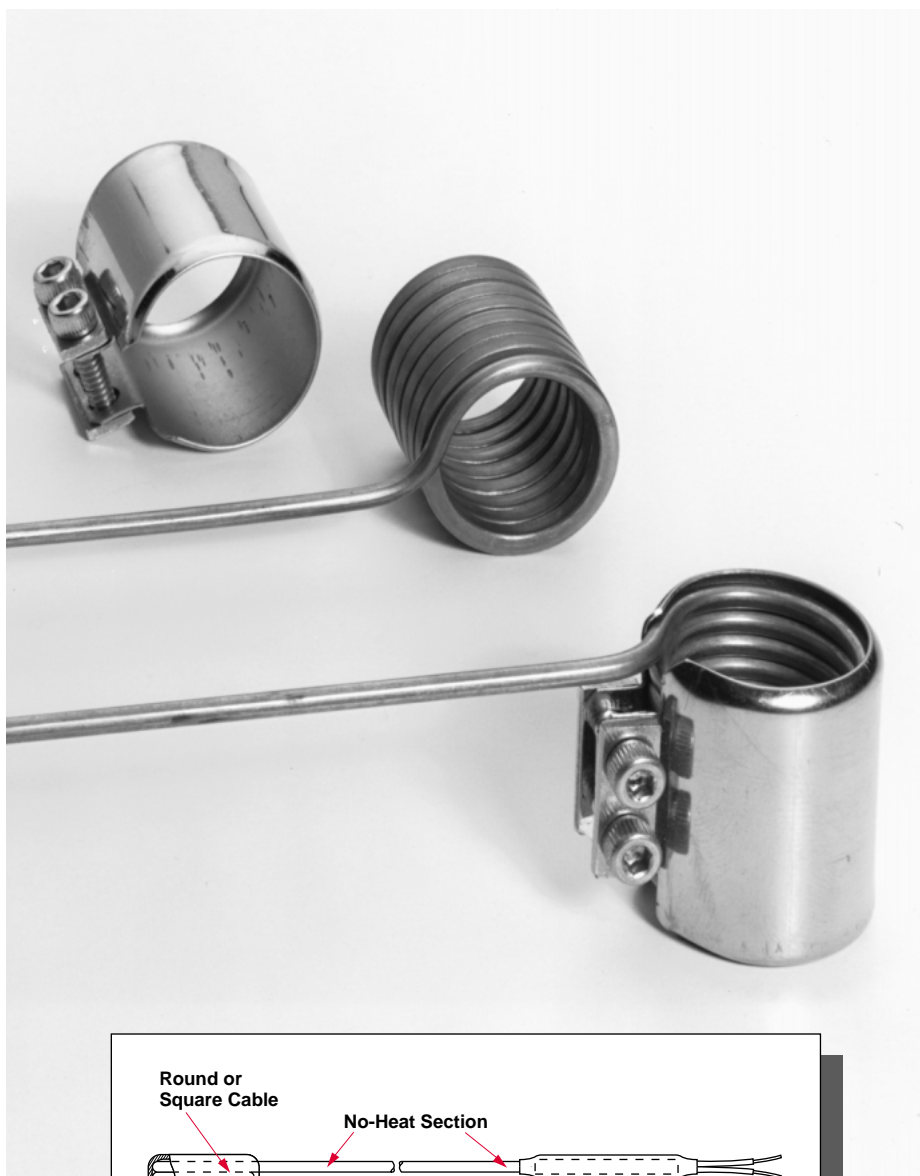
- $\pm 5$  percent wattage tolerance
- Possible operating temperature to 1200°F (650°C). Dependant on type of element wire used.

#### **Features and Benefits**

- **Low profile construction** provides easy installation in the tight environment of multiple-gate molds.
- **The no-heat tail section** reduces temperature at the adaptor, eliminating failures due to overheating.
- **The single tail with dual lead** feature occupies less space in the wire raceway.
- **Heat is conducted from the entire 360 degree circumference** for even heating.
- **Optional externally welded thermocouples to the sheath** provide temperature measurement capabilities.
- **Stocked sizes** are available for same day shipment.

#### **Applications**

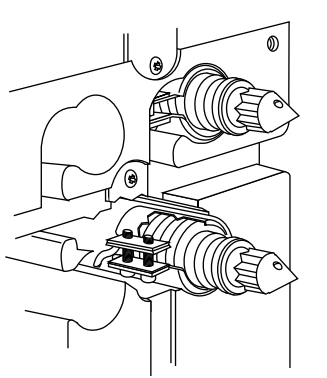
- Plastic injection molding equipment
- Hot runner molds



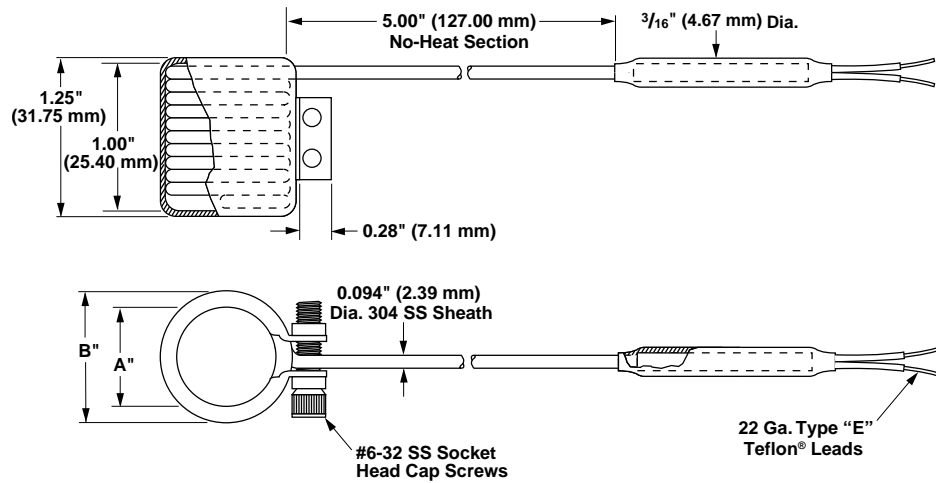
# Cable Heaters

## Coiled Nozzle

### Technical Data



Coiled nozzle heaters mounted on a 64 cavity plastic injection mold.



#### How to Order

To order your stock coiled nozzle heater, specify:

- Watlow code number
- Voltage

- Wattage

- Quantity

#### Availability

**Stock:** Same day shipment

### Cable Heater Stock Units (Coiled Nozzle with Clamp Strap)

Volts	Watts	Coiled I.D. in (mm)	Clamp O.D. in (mm)	Clamp Width in (mm)	No-Heat	Lead Wire (Swaged-in) Teflon® Only	Code Number
<b>0.094-inch Diameter Round</b> (with ±5 percent wattage tolerance), no lead protection available.							
230	125	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)	5" (127 mm)	36" (914.4 mm)	<b>94PC30A1A</b>
230	125	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)	only	72" (1828.8 mm)	<b>94PC30A1D</b>
230	250	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)		36" (914.4 mm)	<b>94PC30A2A</b>
230	250	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)		72" (1828.8 mm)	<b>94PC30A2D</b>
230	250	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)		36" (914.4 mm)	<b>94PC30A4A</b> ①

### 0.102-inch Square Cross-Section (with ±5 percent wattage tolerance), no lead protection available.

230	125	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)	5" (127 mm)	36" (914.4 mm)	<b>102PS28A2B</b>
230	125	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)	only	72" (1828.8 mm)	<b>102PS28A2A</b>
230	250	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)		36" (914.4 mm)	<b>102PS28A1B</b>
230	250	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)		72" (1828.8 mm)	<b>102PS28A4A</b> ①
230	250	0.875 (22.23)	1.12 (28.45)	1.25 (31.75)		36" (914.4 mm)	<b>102PS32A1A</b>

① Units have a 36 inch fiberglass insulated Type J thermocouple externally spot welded to the heater O.D. sheath.

**Quick Ship**• Same day shipment  
on all stock units.

## Cable Heaters

### Mini-Cable Nozzle

The 0.058-inch mini-cable nozzle heater provides “worry-free” heat for hot runner systems. The heater features a no-heat tail section, and the adaptor has a moisture resistant, hermetic seal to virtually eliminate failures due to moisture contamination and overheating in the seal area. An axial access clamp provides easy installation.

#### **Performance Capabilities**

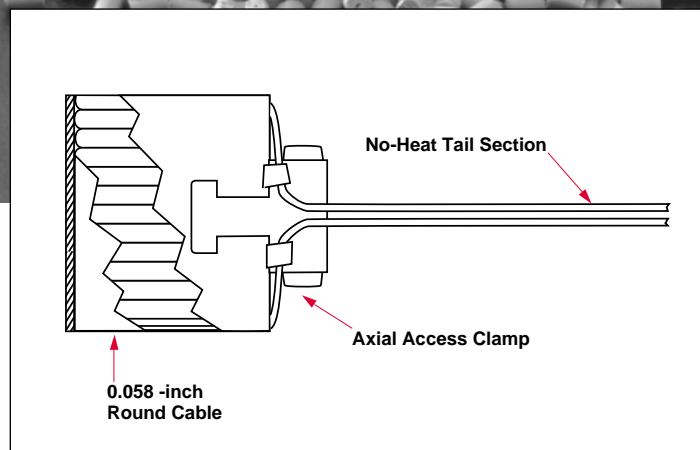
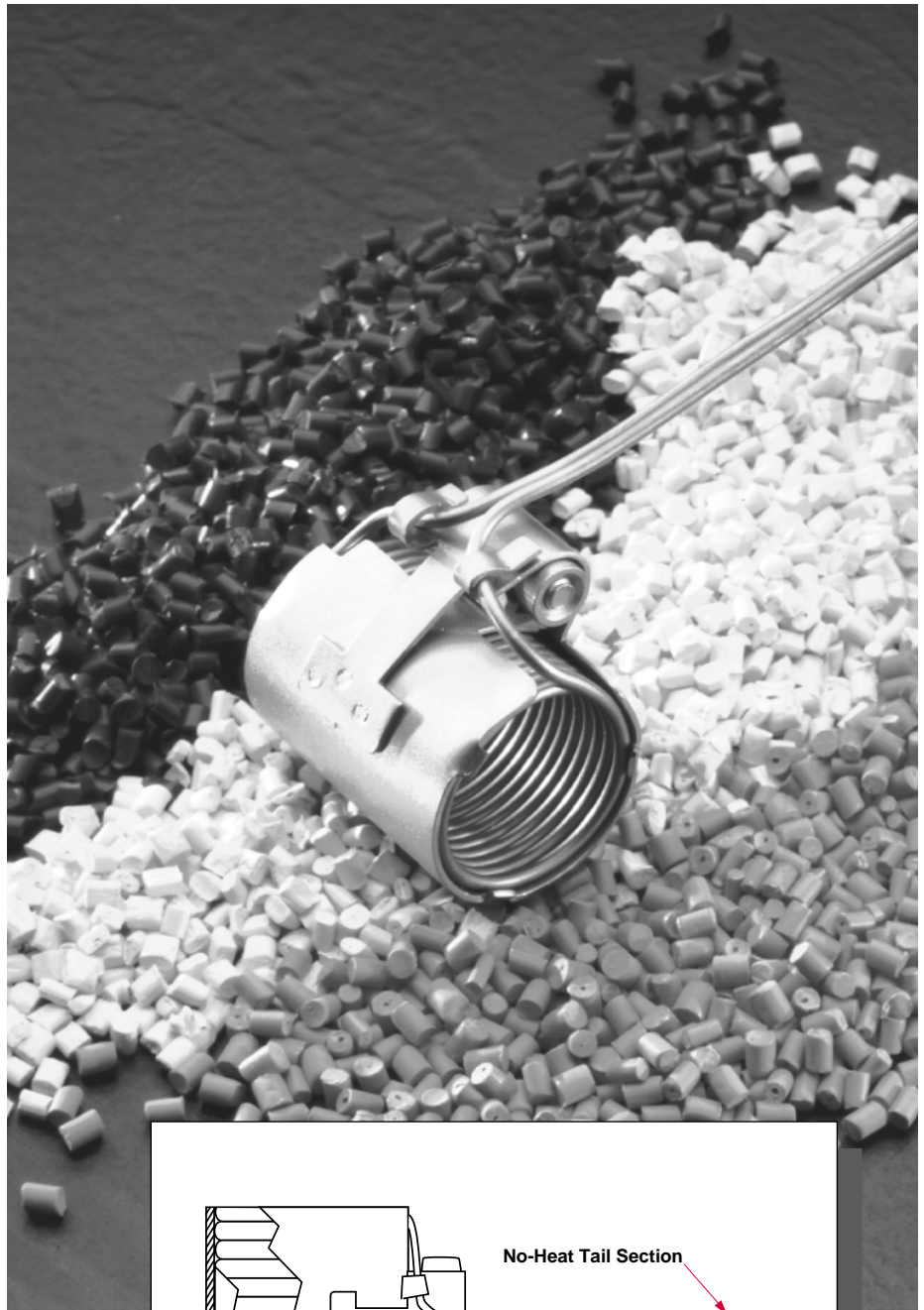
- $\pm 5$  percent wattage tolerance
- Watt densities to 40 W/in<sup>2</sup>
- Possible sheath temperatures up to 1200°F (650°C) continuously and 1500°F (815°C) intermittent. Dependant on type of element wire used.

#### **Features and Benefits**

- **Five-inch no-heat tail section** prevents overheating failure in transition area.
- **Hermetic seal** prevents moisture in adaptor area.
- **304 stainless steel axial access clamp** provides easy installation.
- **Heat is conducted from the entire 360 degree circumference** for even heating.
- **Optional externally welded thermocouples** provide temperature measurement capabilities.
- **72-inch Teflon® lead wire.**

#### **Applications**

- Hot runner molds
- Semiconductor fabrication
- Medical instruments
- Packaging
- Environmental
- Small cast-in heaters
- Plastic injection molding



## Cable Heaters

F.O.B.: St. Louis, Missouri

### Mini-Cable Nozzle

#### 0.058 inch Diameter Round Mini-Cable Nozzle Heater

(with  $\pm 5$  percent wattage tolerance)

Coil I.D.		Watts	Volts	Lead Length		Clamp Width		Cable Type	Code No.
in	(mm)			in	(mm)	in	(mm)		
0.75	(19.05)	268	240	72	(1828.8)	1.250	(31.75)	Round	<b>Z5969</b>
0.75	(22.20)	149	240	72	(1828.8)	1.250	(31.75)	Round	<b>Z5968</b>

**Note:** An **optional** Type J or Type K thermocouple can be externally spotwelded to the sheath O.D.

#### How to Order

To order your stock coiled nozzle heater, specify:

- Watlow code number
- Voltage
- Wattage
- Quantity

#### Availability

**Stock:** Same day shipment