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Cable Heaters

Versatile, Standard Cable Heaters

The versatile Watlow cable heater can be formed to a variety of shapes as dictated by its many applications. Cable heaters are small diameter, high performance units, fully annealed and readily bent to a multitude of configurations.

The heater can be formed into a compact coiled nozzle heater for use on plastic injection molding equipment supplying a full 360 degrees of heat with optional distributed wattage. A straight cable can snake through a sealing bar in packaging equipment. Flat spiral configurations are used in semiconductor manufacturing while a star wound cable is used for air and gas heating.

Different applications require different construction methods, including one, two, three or four resistance wires; parallel coil or straight wire; drawn or swaged sheaths; with or without internal thermocouples; leads exiting from one or both ends, and round, rectangular or square cable sheaths.

Whatever the application, the Watlow cable heater can be shaped to fit your application needs.

Performance Capabilities

- Continuous operating temperatures to 1200°F (650°C) with intermittent operating periods achieving up to 1500°F (815°C). Dependant on type of element wire used.
- Sheath watt densities on the cable to 30 W/in² (4.65 W/cm²), and as high as 75 W/in² (11.62 W/cm²) within factory approved conditions.

Features and Benefits

- High ductility allows the heater to be cold-formed into almost any shape.
- The heater's low mass allows for quick response to both heating and cooling.



The heater can be isolated or sealed from the process environment with optional

compression fittings or HTF adaptor seals. Cable heaters are constructed with no open seams. Optional testing is available to guarantee the integrity of all surfaces and seams.

• Standard 304 stainless steel, or optional 316L stainless steel or Inconel® 600, provide high temperature corrosion and oxidation resistance along with ideal thermal expansion properties.

The heater sheath can be brazed allowing the permanent attachment of mounted fittings to the heater. Consult factory for additional information.

Inconel[®] is a registered trademark of Special Metals Corporation.

Versatile, Standard **Cable Heaters**

Features

Continued

 Ranging from 0.040 inch (1 mm) to 0.188 inch (5 mm) diameter, the cable heater packs a lot of heat into a tiny space. Lengths range from ¾ inch (19 mm) to over 70 feet (2134 cm). Internal construction options allow internal thermocouples and 	 no-heat sections. (Not available in all sizes.) Cable heaters can operate in unusual environments, including cryogenic and sub-freezing temperatures, high vacuum, and gaseous and liquid immersion conditions.
ApplicationsPlastic injection molding nozzles	Restaurant and food processing equipment
Semiconductor manufacturing and	Cast-in heaters
water processing	 Laminating and printing presses
Hot metal forming dies and	Air heating
punches	 Textile manufacturing
 Sealing and cutting bars 	Heating in a vacuum environment

· Medical, analytical and scientific instruments

Electrical Data and Coiling Limits

Sheath Diameter		Maximum Voltage	ximum Surface Area Per oltage Linear Foot		Minin R	num Bend adius	Minimum Coiled Inside Diameter		
inches	(mm)		in	(cm)	in	(mm)	in	(mm)	
0.040 ± 0.002	(1.016 ± 0.051)	48	1.51	(9.743)	1/16	(1.588)	1∕8	(3.175)	
0.062 ± 0.002	(1.575 ± 0.051)	120	2.34	(15.098)	1/8	(3.175)	1/4	(6.350)	
0.058 ± 0.002	(1.473 ± 0.051)	240	2.18	(14.065)	1/8	(3.175)	1/4	(6.350)	
0.094 + 0.002 - 0.003	(2.388 + 0.051 - 0.076)	240	3.54	(22.840)	3/16	(4.763)	3/8	(9.525)	
0.102 square ± 0.003	(2.591 ± 0.076)	240	4.90	(31.615)	1/4	(6.350)	1/2	(12.700)	
0.103 ± 0.003 x	(2.667 ± 0.076) x								
0.153 ± 0.005 rectangular	(3.886 ± 0.127)	240	6.19	(39.938)	1/4	(6.350)	1/2	(12.700)	
0.125 ± 0.003	(3.175 ± 0.076)	240	4.71	(30.389)	1/4	(6.350)	1/2	(12.700)	
0.157 ± 0.004	(3.998 ± 0.102)	240	5.92	(38.196)	5/16	(7.938)	5/8	(15.875)	
0.188 + 0.003 - 0.006	(4.775 + 0.076 - 0.152)	240	7.09	(45.745)	3/8	(9.525)	3/4	(19.050)	
0.128 square ± 0.003	(3.353 ± 0.076)	240	6.31	(40.712)	1/4	(6.350)	1/2	(12.700)	

In most cases 30 W/in² (4.65 W/cm²) is the safe allowable limit for cable watt density. Please consult factory before ordering >30 WSI cables. **Standard Resistance/Wattage Tolerance ±10 percent.** Cable heaters can run on both ac and dc, 50 or 60Hz. Consult factory for amperage limitations.

Coiling Tolerances

	Standard Coiled	Width Tolerances	Standard Coiled I.D. Tolerances						
Cable	Coiled Width	Tolerances	Coil I.I	D. Range	Tolera	inces			
Diameters	inches (mm)	inches (mm)	inches	(mm)	inches	(mm)			
All Diameters	Below 6 (152.4)	+ 0 - ½ (+0.000 - 3.175)	Below 0.625	(Below 15.875)	+0.000 - 0.015	(+0 - 0.381)			
	6 to 10 (152.4 to 254.0)	+ ¼- ¾ (+3.175 - 9.525)	0.625 to 0.999	(15.875 to 25.375)	+0.000 - 0.030	(+0 - 0.762)			
	Over 10 (Over 254.0)	+ ¼ - ¼ (+6.350 - 6.350)	1.000 to 1.999	(25.400 to 50.775)	+0.000 - 0.062	(+0 - 1.575)			
			2.000 to 2.999	(50.800 to 76.175)	+0.000 - 0.125	(+0 - 3.175)			
			3.000 to 3.999	(76.200 to 101.575)	+0.000 - 0.250	(+0 - 6.350)			
			4.000 to 4.999	(101.600 to 126.975)	+0.000 - 0.375	(+0 - 9.525)			
			5.000 and Over	(127.000 and Over)	+0.000 - 0.500	(+0 - 12.700)			

When the O.D. of the coil is required to be the critical dimension, this fact must be specified at the time of ordering so that proper coiling procedures can be determined. I.D. and O.D. dimensions cannot be held on the same unit. Please consult with the factory before ordering coiled cable heaters requiring other than standard tolerances.

Cable Straight Length Tolerances

Length	≤24"	>24"≤60"	>60"≤100"	>100"
Tolerance	±%"	±1⁄2"	±1"	±1%

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Cable Heaters

Versatile, Standard **Cable Heaters**

Formation Options

Standard Coil

The standard coil can be tight wound, open pitch or anything in between.

Closed Coil without Distributed Wattage

Closed Coil with Distributed Wattage



Width I.D. ¹/₈"± ¹/₈" (3 mm ±3 mm) Tail Section Nom. 3/8 (10 mm) O.D. Option 2A Width ι.b. 1" ± 1/8" (25 mm ± 3 mm)

Tail

Option 2B

Section

Lead Orientation Options for Coiled Cable Heaters Width Width **▲** I.D. I.D. mann ann 1" ± ¹/8" (25 mm ± 3 mm) ³/₈" ¹/_± ¹/₈" (10 mm ± 3 mm) 1/4" (6 mm) R Tail Section Option 2F Option 2C

Flat Spiral

Flat Spiral with 2A

Type Lead Orientation

Flat spiral formations are used to heat flat circular surfaces. This formation is often used in semiconductor and medical applications.



Flat Spiral with 2C Flat Spiral with 2F **Type Lead Orientation Type Lead Orientation**



Sinuated

Sinuated cable heaters provide an alternative to the flat spiral coil heater, allowing greater coverage of

Star Wound

Star wound formations are usually inserted into pipes or ducts and are used to heat moving air or liquids. The offset coils increase/induce

flat rectangular surfaces. The sinuated formation can also be curved to heat cylindrical shapes. This formation is often used in radiant heating applications.

turbulent flow. This allows the flowing material to have better contact with the heater surface, resulting in a more efficient heat transfer.

Versatile, Standard Cable Heaters

Standard Internal Construction



Resistance wire, wound into a small coil, is loaded into insulating cores, then into metal tubing and swaged to final size. This method of construction is called **parallel coil**.

The parallel coil method allows for a no-heat section in the sheath. The length of either the heated section or no-heat section is variable as long as the combined length does not exceed 72 inches (1830 mm). Other

features of this construction method include:

- Variable ohms/foot within a minimum and maximum range
- Variable location of the thermocouple junction
- Grounded or ungrounded thermocouple junction
- · No-heat sections
- 304 stainless steel, 316L stainless steel or Inconel[®] 600 sheath material
- A variety of diameters and shapes: 0.058 inch (1.473 mm) round 0.094 inch (2.387 mm) round 0.125 inch (3.175 mm) round (min. dia. with internal thermocouple) 0.102 (2.591 mm) inch square 0.128 inch (3.251 mm) square 0.103 inch X 0.153 inch
- (2.616 mm X 3.886 mm) rectangular

Sheath with Straight (Uncoiled) Resistance Wire



Uncoiled resistance wires are positioned inside a large diameter metal tube. The tube assembly is repeatedly pulled through draw dies until the desired diameter is achieved. Though limited to fixed incremental ohms/foot and without no-heat sections, this **drawn cable** construction method does allow:

Essentially no limit on cable length

- Thermocouple junction only at the disk end of the sheath
- Grounded or ungrounded thermocouple junction
- Sheath heated from end to end
- 304 stainless steel, 316L stainless steel or Inconel[®] 600 sheath material
- A variety of diameters and shapes: 0.040 inch (1.016 mm) round

Drawn Cable Construction

- 0.062 inch (1.575 mm) round 0.094 inch (2.388 mm) round
- 0.125 inch (3.175 mm) round (min.
- dia. with internal thermocouple)
- 0.157 inch (3.988 mm) round
- 0.188 inch (4.775 mm) round
- 0.128 inch (3.251 mm) square
- 0.103 inch X 0.153 inch
- (2.616 mm X 3.886 mm) rectangular

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Disk End of Sheath

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Cable Heaters

Versatile, Standard **Cable Heaters**

Options Internal Construction



Internal thermocouples are available in ASTM Type J or K calibration with both the parallel coil or drawn cable

Parallel Coil:

0.125 inch round

construction methods.

0.128 inch X 0.128 inch square 0.103 inch X 0.153 inch rectangular

0.103 inch X 0.153 inch rectangular External thermocouples with Type J or K calibration can be spot welded or brazed to the heater sheath. The sheath size must be a minimum of 0.094 inch in diameter. Hose clamps can more easily be used to secure the thermocouple.

0.128 inch X 0.128 inch square

0.157 inch round

0.188 inch round

Versatile, Standard Cable Heaters

Options Internal Construction Continued

Adaptors

Adaptors are the transition sections where the lead wires are attached to the heater sheaths. The lead wires are connected with the internal wires from the sheath.



The **positive connection** lap joint brazes or welds the wire lap joint before the adaptor is swaged. Positive connection is used in all standard applications and provides added protection in high temperature environments and other severe and demanding applications.

An extended length adaptor collar, or **high temperature** collar, is used as a heat sink allowing the heater to be operated in high temperature and other demanding applications.

The positive connection and collar are used in conjunction with both power leads and thermocouple leads.

External Construction

Lead Wire: 100 percent nickel, copper, nickel plated copper or silver plated copper.	Insulation: Teflon [®] , fiberglass, or a high temperature variety such as MGT or MGE. Consult factory for other wire options.
Lead Protection: Stainless steel hose, stainless steel braid or fiberglass braid.	Consult factory for details.
 Special Fittings VCR[®] and VCO[®] vacuum fittings or similar Ultra-Torr[®] compression fittings or similar 	 Threaded screw headers Flanges Heat sinks Consult factory for details.

Versatile, Standard Cable Heaters

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How to Order

To order your stock cable heater, specify:

- Watlow code number and/or voltage and wattage specifications
- Forming options (required information):

Straight - standard option unless otherwise specified

Nozzle - coil I.D., coil width, lead orientation

Distributed nozzle - coil I.D., coil width, lead orientation, number of zones

Sinuated - height, width, bend radius, lead orientation

Starwound - coil O.D., coil width, lead orientation

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Flat spiral - spiral I.D., spiral width, lead orientation

• Lead wire options (required information):

Standard - 14 inch crimped-on fbg unless otherwise noted

Fiberglass - various lengths available

Teflon® - various lengths available

Lead protection options (required information):

Standard - 12 inch crimped-on stainless steel hose unless otherwise noted

SS hose - various lengths available

SS braid - various lengths available

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

Fiberglass braid - various lengths available

- Internal thermocouple option: Type J thermocouple
 See stock product list for available units.
- · Special adders

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If the stock units do not meet application needs, consult factory for a quote on made-to-order units.

Availability

Stock: Straight units can be formed on request requiring one to two working days, contingent upon quantity and required options.

Made-to-Order: Delivery dependent on complexity of order. Consult factory for price and delivery quotations.

Cable	Heater St	ock Un	its (Inter	nal The	rmocoup	ole Not Av	ailable)			
Strai L ir	ght Cable ength (mm)	Volts	Watts	Watt I W/in²	Density W/cm²	No- Ler in (Heat Igth mm)	Lead Wire	Lead Protection	Code Number
0.062	2-inch Dia	meter F	Round (with ±10	percent w	attage tole	erance)			
24	(609.6)	120	240	51	(7.9)	0.00	(0.00)	14" (355.6 mm)	12" (304.8 mm)	62H24A6X
36	(914.4)	120	400	57	(8.8)	0.00	(0.00)	Fiberglass	SS hose	62H36A5X
56	(1422.4)	120	330	30	(4.7)	0.00	(0.00)	unless otherwise	unless otherwise	62H56A4X
65	(1651.0)	120	500	39	(6.0)	0.00	(0.00)	specified	specified	62H65A3X
0.094	4-inch Dia	meter F	Round (with ±5 p	ercent wa	ittage toler	ance)			
30	(762.0)	230	125	17	(2.6)	5.00 (127.00)	36" (914.4 mm)	Lead protection	94PC30A1X
30	(762.0)	230	250	34	(5.3)	5.00 (127.00)	swaged-in	not available	94PC30A2X
								Teflon [®] leads only		
0.12	5 inch Dia	meter F	Round (v	vith ±10	percent w	attage tole	erance)			
18	(457.2)	240	250	35	(5.4)	1 50	(38.10)	14" (355.6 mm)	12" (304.8 mm)	125CH18A4X

(355.6 mm) (457.2) (5.4)(304.8 mm) 5CH18A4X 19 21 (3.3)SS hose 125CH19A1X (482.6) 120 165 1.50 (38.10) Fiberglass 29 275 24 (609.6) 120 (4.5)1.50 (38.10) unless otherwise unless otherwise 125CH24A1X 29 275 125CH24A14X 24 (609.6)240 (4.5)1.50 (38.10) specified specified 21 38 (965.2) 240 325 (3.3)1.50 (38.10) 125CH38A1X 38 (965.2) 120 175 12 (1.9)1.50 (38.10) 125CH38A2X 47 (1193.8)240 260 14 (2.2)1.50 (38.10) 125CH47A1X (1193.8) 12 (1.9)1.50 (38.10) 125CH47A2X 47 120 235 47 (1193.8)120 375 20 (3.1)1.50 (38.10) 125CH47A3X 345 19 125CH47A4X (1193.8) 240 (2.9)1.50 (38.10) 47 65 (1651.0)240 420 16 (2.5)1.50 (38.10) 125CH65A1X 65 (1651.0) 240 675 27 (4.2)1.50 (38.10) 125CH65A2X 95 (2413.0) 240 1000 28 (4.3)0.00 (0.00) 125CH93A1X CONTINUED

Versatile, Standard Cable Heaters

Cable Heater Stock Units (Internal Thermocouple Not Available)

Straig Le in	h t Cable ength (mm)	Volts	Watts	Watt I W/in²	Density W/cm ²	No- Lei in	·Heat ngth (mm)	Lead Wire	Lead Protection	Code Number				
0.125	0.125 inch Diameter Round (with ±10 percent wattage tolerance)													
126	(3200.4)	240	1500	30	(4.7)	0.00	(0.00)	48" (1219 mm)	Lead protection	125H126A4A				
150	(3810.0)	240	2000	34	(5.3)	0.00	(0.00)	swaged-in	is available	125H150A3A				
223	(5664.2)	240	3000	34	(5.3)	0.00	(0.00)	Fiberglass	upon request	125H223A1A				
								leads only						
0.128	0.128 inch Square Cross-Section (with ±10 percent wattage tolerance)													
12	304.8	120	200	36	5.6	1.50	(38.10)	14" (355.6 mm)	12" (304.8 mm)	125PS12A24A				
12	304.8	240	200	36	5.6	1.50	(38.10)	Fiberglass	SS hose	125PS12A23A				
20	508.0	120	300	31	4.8	1.50	(38.10)	unless otherwise	unless otherwise	125PS20A37A				
20	508.0	240	300	31	4.8	1.50	(38.10)	specified	specified	125PS20A38A				
30	762.0	120	450	30	4.7	1.50	(38.10)			125PS30A47A				
30	762.0	240	450	30	4.7	1.50	(38.10)			125PS30A48A				
38	965.2	240	600	31	4.8	1.50	(38.10)			125PS38A23A				

Cable Heater Stock Units (Type J Internal Thermocouple)

Strai L in	ght Cable ength (mm)	Volts	Watts	Watt E W/in²(Density (W/cm²)	No Le in	-Heat ngth (mm)	Lead Wire	Lead Protection	Code Number
0.12	5-inch Dia	d in center of heated sec	tion.							
24	(609.6)	120	275	29	(4.5)	1.50	(38.10)	48" (1219 mm)	Lead protection	125CH24A13X
38	(965.2)	120	175	12	(1.9)	1.50	(38.10)	swaged-in	is available	125CH38A18X
47	(1193.8)	120	235	13	(2.0)	1.50	(38.10)	Fiberglass	upon request	125CH47A21X
65	(1651.0)	240	675	26	(4.0)	1.50	(38.10)	leads only		125CH65A26X

NEW OFFERING

0.157-inch Diameter Round (with ±10 percent wattage tolerance), Thermocouple located at the disk end of the cable.

124 (3149.6)	240	1500	25	(3.9)	0.00	(0.00)	48" (1219 mm)	Lead protection	157CH124AX
150 (3810.0)	240	2000	27	(4.2)	0.00	(0.00)	swaged-in	is available	157CH150AX
220 (5588.0)	240	3000	28	(4.3)	0.00	(0.00)	Fiberglass	upon request	157CH220AX
							leads only		

0.128 inch Square Cross-Section (with ±10 percent wattage tolerance), Thermocouple located in center of heated section.

10	(204.0)	240	200	27		1 50 (20 10)	401 (1010	La salara sa ka skisa	40500404004
12	(304.8)	240	200	36	(5.6)	1.50 (38.10)	48" (1219 mm)	Lead protection	125PS12A22A
20	(508.0)	120	300	31	(4.8)	1.50 (38.10)	swaged-in	is available	125PS20A35A
20	(508.0)	240	300	31	(4.8)	1.50 (38.10)	Fiberglass	upon request	125PS20A36A
30	(762.0)	240	450	30	(4.7)	1.50 (38.10)	leads only		125PS30A46A
38	(965.2)	240	600	31	(4.8)	1.50 (38.10)			125PS38A24A

Quick Ship

• Same day shipment on all stock units.

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

- ±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



Coiled Nozzle 5.00" (127.00 mm) No-Heat Section 3/16" (4.67 mm) Dia. **Technical Data** 1.25" (31.75 mm) Ο 1.00" (25.40_.mm) Ο ത 0.28" (7.11 mm) 0.094" (2.39 mm) Dia. 304 SS Sheath ۲ À" 22 Ga. Type "E" Teflon[®] Leads #6-32 SS Socket Head Cap Screws 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 H	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							
0.094- i	0.094-inch Diameter Round (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)	94PC30A1A							
230	125	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)	only	72" (1828.8 mm)	94PC30A1D							
230	250	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)		36" (914.4 mm)	94PC30A2A							
230	250	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)		72" (1828.8 mm)	94PC30A2D							
230	250	0.75 (19.05)	0.98 (24.89)	1.25 (31.75)		36" (914.4 mm)	94PC30A4A ①							
0.102-i	inch Squ	are Cross-Se	ction (with ±5 perc	cent wattage tolerance	e), no lead protecti	ion available.								
230	125	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)	5" (127 mm)	36" (914.4 mm)	102PS28A2B							
230	125	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)	only	72" (1828.8 mm)	102PS28A2A							
230	250	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)		36" (914.4 mm)	102PS28A1B							
230	250	0.75 (19.05)	1.00 (25.40)	1.25 (31.75)		72" (1828.8 mm)	102PS28A4A ^①							
230	250	0.875 (22.23)	1.12 (28.45)	1.25 (31.75)		36" (914.4 mm)	102PS32A1A							

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

Teflon® is a registered trademark of E.I. du Pont de Nemours & Company.

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 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

- ±5 percent wattage tolerance
- Watt densities to 40 W/in2
- 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



Mini-Cable Nozzle

0.058 inch Diameter Round Mini-Cable Nozzle Heater

(with ±5 percent wattage tolerance)

C I. in	oil D. (mm)	Watts	Volts	l in	Lead Length (mm)	Cla Wi in	a mp idth (mm)	Cable Type	Code No.
0.75	(19.05)	268	240	72	(1828.8)	1.250	(31.75)	Round	Z5969
0.75	(22.20)	149	240	72	(1828.8)	1.250	(31.75)	Round	Z5968

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

How to Order

Availability

To order your stock coiled nozzle heater, specify:

- Watlow code number
- Voltage
- Wattage
- Quantity

Stock: Same day shipment