

Components

TRI

.246" Dia. Round Cross-Section

- INCOLOY® Sheath
- 165 - 2,365 Watts
- 120 and 240 Volt
- 30 W/In²
- 1600°F Max. Sheath Temp.

Applications

Versatile tubular elements can be designed for use in most applications. See guidelines in the Tubular Heater Overview section.

Advantages

The metal sheath isolates and protects the resistor wire from the environment. At the same time it maximizes heat transfer capability to the work. Tubular elements can be bent to put the heat where it works best.

Features

Small Diameter Tubular Elements — Most easily bent to conform to work surfaces and to “pack” heat into confined spaces. Because of the small cross-section, these tubulars also heat up and cool rapidly.

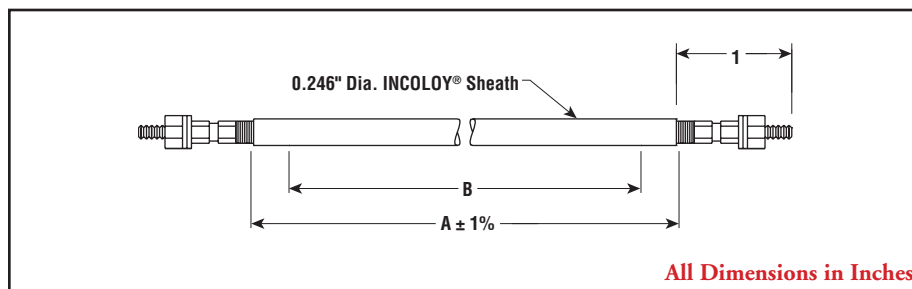
Type 28 Terminals — Heliarc-welded to the cold pin. See terminal detail drawing in the Tubular Heater Overview section.

Work Temperatures — See Tubular Heater Overview section.

Bending — Customer’s minimum inside bending radius is 3/4". See bending requirements in the Tubular Heater Overview section.



Dimensions



Specifications and Ordering Information

| Watts | Volts | W/In ² | Dimensions (In.) | | INCOLOY® Sheath | | | Wt. (Lbs.) |
|-------|-------|-------------------|------------------|----------|-----------------|-------|--------|------------|
| | | | Sheath A | Heated B | Model | Stock | PCN | |
| 165 | 120 | 30 | 12 | 7-1/2 | TRI-1212 | NS | 282052 | 0.2 |
| 255 | 120 | 30 | 16 | 11-1/2 | TRI-1612 | NS | 282060 | 0.3 |
| 340 | 120 | 30 | 20 | 15-1/2 | TRI-2012 | NS | 282079 | 0.3 |
| 340 | 240 | 30 | 20 | 15-1/2 | TRI-2012 | NS | 177420 | 0.3 |
| 430 | 120 | 30 | 24 | 19-1/2 | TRI-2412 | NS | 282087 | 0.3 |
| 430 | 240 | 30 | 24 | 19-1/2 | TRI-2412 | NS | 282095 | 0.3 |
| 515 | 120 | 30 | 28 | 23-1/2 | TRI-2812 | NS | 282108 | 0.5 |
| 515 | 240 | 30 | 28 | 23-1/2 | TRI-2812 | NS | 282116 | 0.5 |
| 605 | 120 | 30 | 32 | 27-1/2 | TRI-3212 | NS | 282124 | 0.5 |
| 605 | 240 | 30 | 32 | 27-1/2 | TRI-3212 | NS | 177439 | 0.5 |
| 690 | 120 | 30 | 36 | 31-1/2 | TRI-3612 | NS | 282132 | 0.5 |
| 690 | 240 | 30 | 36 | 31-1/2 | TRI-3612 | NS | 282140 | 0.5 |
| 780 | 120 | 30 | 40 | 35-1/2 | TRI-4012 | NS | 177447 | 0.7 |
| 780 | 240 | 30 | 40 | 35-1/2 | TRI-4012 | NS | 143870 | 0.7 |
| 910 | 120 | 30 | 46 | 41-1/2 | TRI-4612 | NS | 177455 | 0.7 |
| 910 | 240 | 30 | 46 | 41-1/2 | TRI-4612 | NS | 282159 | 0.7 |
| 1,045 | 120 | 30 | 52 | 47-1/2 | TRI-5212 | NS | 282167 | 0.9 |
| 1,045 | 240 | 30 | 52 | 47-1/2 | TRI-5212 | NS | 143888 | 0.9 |
| 1,175 | 120 | 30 | 58 | 53-1/2 | TRI-5812 | NS | 177463 | 0.9 |
| 1,175 | 240 | 30 | 58 | 53-1/2 | TRI-5812 | NS | 177471 | 0.9 |
| 1,310 | 120 | 30 | 64 | 59-1/2 | TRI-6412 | NS | 282175 | 0.9 |
| 1,310 | 240 | 30 | 64 | 59-1/2 | TRI-6412 | NS | 282183 | 0.9 |
| 1,440 | 120 | 30 | 70 | 65-1/2 | TRI-7012 | NS | 282191 | 0.9 |
| 1,440 | 240 | 30 | 70 | 65-1/2 | TRI-7012 | NS | 282204 | 0.9 |
| 1,570 | 120 | 30 | 76 | 71-1/2 | TRI-7612 | NS | 177480 | 0.9 |
| 1,570 | 240 | 30 | 76 | 71-1/2 | TRI-7612 | NS | 282212 | 0.9 |
| 1,700 | 120 | 30 | 82 | 77-1/2 | TRI-8212 | NS | 177498 | 1.2 |
| 1,700 | 240 | 30 | 82 | 77-1/2 | TRI-8212 | NS | 177500 | 1.2 |
| 1,835 | 120 | 30 | 88 | 83-1/2 | TRI-8812 | NS | 177519 | 1.2 |
| 1,835 | 240 | 30 | 88 | 83-1/2 | TRI-8812 | NS | 177527 | 1.2 |
| 1,965 | 240 | 30 | 94 | 89-1/2 | TRI-9412 | NS | 282220 | 1.2 |
| 2,100 | 240 | 30 | 100 | 95-1/2 | TRI-10012 | NS | 177535 | 1.7 |
| 2,230 | 240 | 30 | 106 | 101-1/2 | TRI-10612 | NS | 177543 | 1.7 |
| 2,365 | 240 | 30 | 112 | 107-1/2 | TRI-11212 | NS | 177551 | 1.7 |

Stock Status: S = stock NS = non-stock
To Order—Specify model, PCN, watts, volts and quantity.