



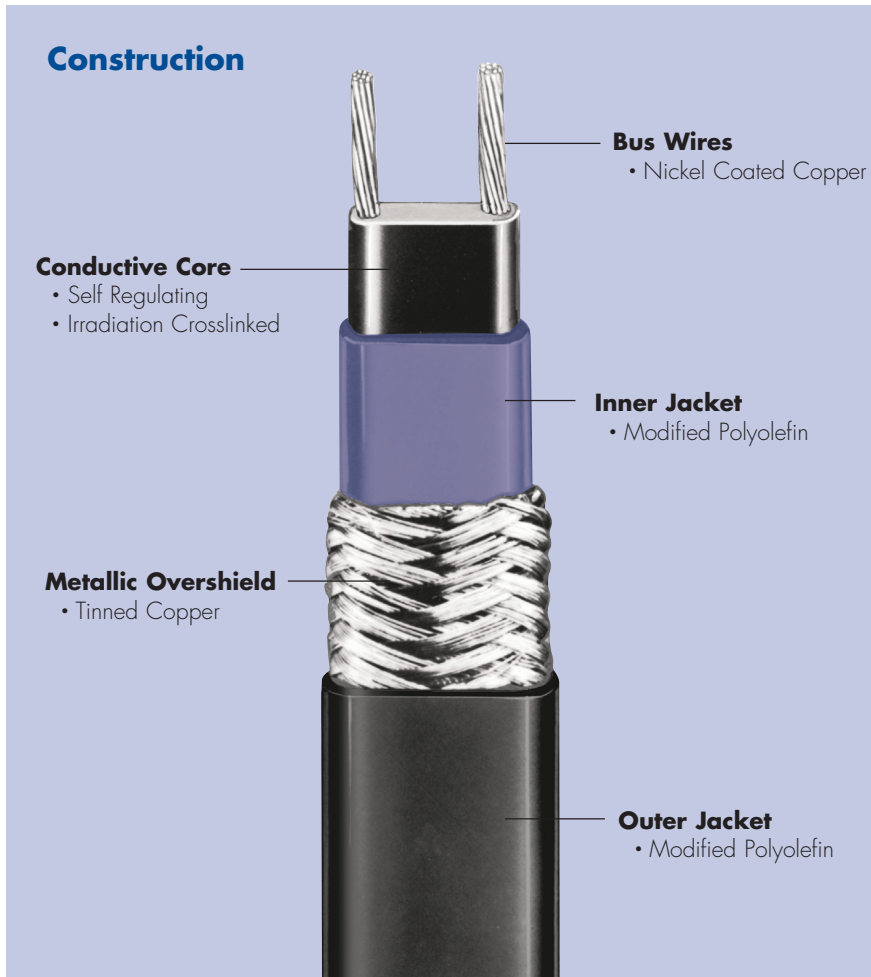
2800 Series

Dekoron® Self-Regulating Heating Cable



II 2GD
Ex e IIC T5 Gb
Ex tb IIIC T85°C Db

Construction



Performance Ratings

Output wattage:

3, 5, 6 w/ft @ 40°F

Supply voltages:

2803, 2805: 110 - 120 Vac
2806: 120 or 208V - 277 Vac

Continuous maintenance temperature:

150°F (65°C) max

Intermittent exposure temperature:

185°F (85°C) max

Braid resistance:

Tinned copper 0.003 Ω/ft

Approvals/Certifications

CSA:

Ordinary locations
Type 2E, 3A, 3B, 3C

UL:

Pipe Heating Cables
Industrial and Commercial
Roof and Gutter

Description

The 2800 family of self-regulating heaters is designed for all your commercial freeze protection applications.

Self-Regulating design allows for safety and ease of cut-to-length installation, Heat Trace Products Dekoron self-regulating heating cables regulate heat output automatically in response to changes in temperature. The highly engineered, conductive core increases its heat output when the temperature falls and decreases its heat output when the temperature rises.

Application

The commercial grade 2800 cables provide freeze protection for fluid transport and storage systems. The bus wires, jackets and metallic braids can be configured for applications in both indoor and outdoor locations.

The 2803 and 2805 heater cables are designed for small diameter pipes and operate on 120 volts. The 2806 heater cable is designed for larger diameter piping systems can be configured to operate on 120 or 240 volts.

Accessories

Heat Trace Products carries a full line of approved accessories, including power connection kits, terminations, splices, end seals, and controls.



MOR-HEAT-TRACE 2806 Self-Regulating Heating Cable

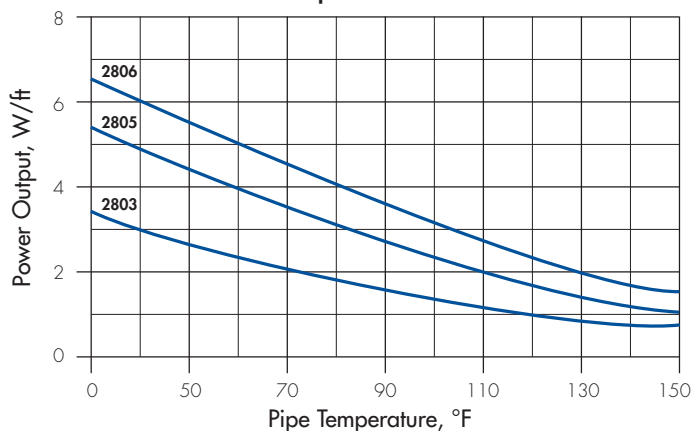
Mor Electric Heating Assoc. Inc.

MorElectricHeating.com

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Power Output Curves - 2800 Series



120 Volt Breaker Sizing vs. Max Circuit Length (FT)

| | 10A | 15A | 20A | 30A | 40A |
|----------------------------|-----|-----|-----|-----|-----|
| 2803-1 If started at: 40°F | 150 | 150 | — | — | — |
| 0°F | 110 | 150 | — | — | — |
| -20°F | 100 | 150 | — | — | — |
| 2805-1 If started at: 40°F | 125 | 125 | — | — | — |
| 0°F | 90 | 125 | — | — | — |
| -20°F | 80 | 120 | — | — | — |
| 2806-1 If started at: 40°F | 100 | 150 | 200 | 250 | 250 |
| 0°F | 65 | 100 | 130 | 190 | 250 |
| -20°F | 55 | 85 | 115 | 170 | 225 |

Product Ordering Information

(Example Shown: 5 watt 120volt, tinned copper braid)

28 05 - 1 0 C 00

- Series: 28 = 2800
- Output: 03 = 3w, 05 = 5w, 06 = 6w
- Voltage: 1 = 120V, 2 = 240V
- Class: 0 = Not Applicable
- Braid Option: C = Tinned Copper, R = Tinned Copper w/Modified Polyolefin Jacket
- Reserved: 00

240 Volt Breaker Sizing vs. Max Circuit Length (FT)

| | 10A | 15A | 20A | 30A | 40A |
|----------------------------|-----|-----|-----|-----|-----|
| 2806-2 If started at: 40°F | 175 | 270 | 360 | 450 | 450 |
| 0°F | 110 | 175 | 230 | 340 | 450 |
| -20°F | 90 | 145 | 190 | 285 | 385 |

Power Adjustment Factor

| Part No. | 208 Volts | 277 Volts |
|----------|-----------|-----------|
| 2806-2 | .86 | 1.16 |

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