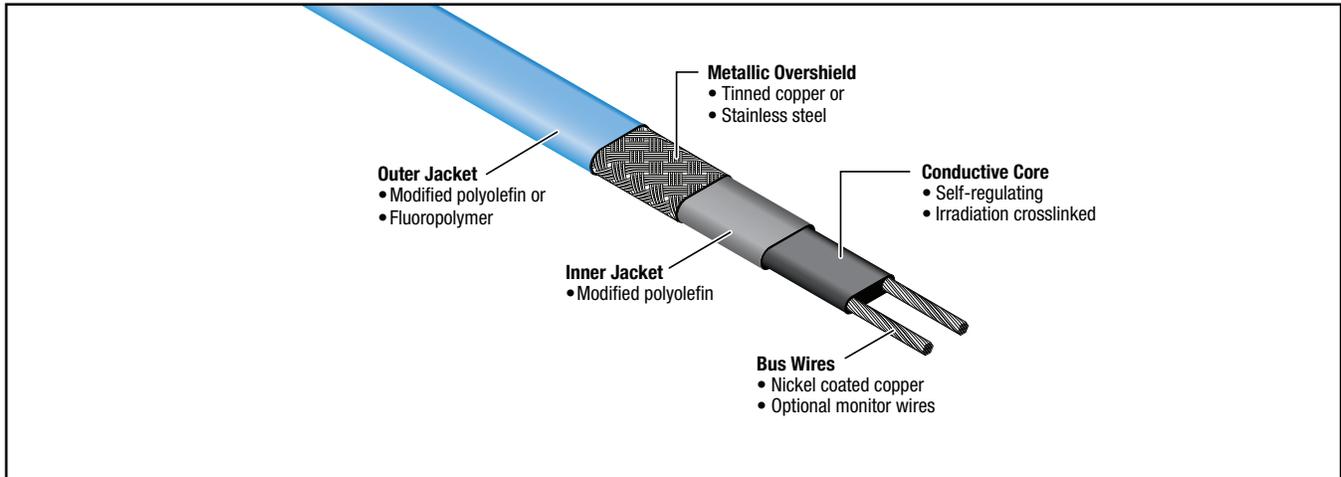




2700 Series Self-Regulating Heating Cable



Description

Dekoron® Self-Regulating Heating Cables distributed by Heat-Line are designed to supply a specified amount of heat at any point along their length in direct response to local temperature variations. These cables can maintain temperatures up to 150°F (65°C) and survive intermittent exposure up to 185°F (85°C) with power applied.

The Dekoron 2700 series of self-regulating heating cables distributed by Heat-Line are designed to supply a specified amount of heat at any point along their length in direct response to local temperature variations. These cables can maintain temperatures up to 150°F (65°C) and survive intermittent exposure up to 185°F (85°C) with power applied.

Dekoron 2700 series cables can be cut to length and terminated in the field, and will not overheat or burnout when overlapped.

Applications

The industrial grade 2700 cables provide freeze protection and process temperature maintenance for fluid transport and storage systems. The bus wires, jackets and metallic braids can be configured for both ordinary (non-classified) and hazardous (classified) locations, including areas where exposure to corrosive or organic materials is possible.

Accessories

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

Performance Ratings

| | |
|------------------------------|-----------------------------------|
| Output wattage | 3, 5, 8, 10 w/ft @ 50°F (10°C) |
| Supply voltages | 110 – 120 Vac or 208 – 277 Vac |
| Continuous maintenance temp. | 150°F (65°C) max |
| Intermittent exposure temp. | 185°F (85°C) max |
| T Rating* | T-5 (10 w/ft), T-6 (3, 5, 8 w/ft) |
| Braid resistance | |
| Tinned copper | 0.003 Ω/ft |
| Stainless steel | 0.125 Ω/ft |

*T-Rating per the 1999 NEC, Tables 500-5(d) and verified by FM and CSA.

Approvals / Certifications



Ordinary locations

Hazardous locations

Class I, Div 1* /2, Groups A, B, C, D
Class II, Div 1* /2, Groups E, F, G
Class III, Div 1* and 2



Ordinary locations

Hazardous locations

Class I, Div 1* /2, Groups B, C, D
Class II, Div 2, Groups F, G
Class III, Div 1* and 2



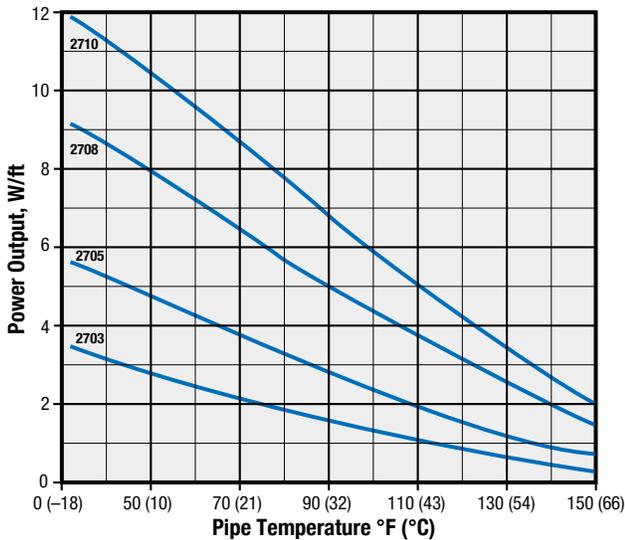
Roof and Gutter

Hot Water Maintenance



* Contact Heat-Line representative for information on Division 1 hazardous location systems.

Power Output Curves



Product Ordering Information

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

2705 - 1 1 C 00

- Series**
 - 27 = 2700
- Output**
 - 03 = 3w
 - 05 = 5w
 - 08 = 8w
 - 10 = 10w
- Voltage**
 - 1 = 120 Vac
 - 2 = 240 Vac
- Class**
 - 1 = Ordinary/Div. 2
 - 3 = Ordinary/Div. 2 w/monitor wires
 - 4 = Class I, Div. 1
- Braid Option**
 - C = Tinned copper
 - S = Stainless steel
 - T = Tinned copper w/flouropolymer jacket
 - R = Tinned copper w/modified polymer jacket
- Reserved**

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

| | | 15A | 20A | 30A | 40A |
|-----------------------|---------------|-----|-----|-----|-----|
| 2703-1 If started at: | 50°F (10°C) | 300 | - | - | - |
| | 0°F (-17°C) | 200 | 270 | 330 | - |
| | -20°F (-29°C) | 180 | 230 | 330 | - |
| 2705-1 If started at: | 50°F (10°C) | 230 | 270 | - | - |
| | 0°F (-17°C) | 150 | 200 | 270 | - |
| | -20°F (-29°C) | 130 | 175 | 260 | 270 |
| 2708-1 If started at: | 50°F (10°C) | 150 | 200 | 210 | - |
| | 0°F (-17°C) | 95 | 125 | 190 | 210 |
| | -20°F (-29°C) | 85 | 100 | 170 | 210 |
| 2710-1 If started at: | 50°F (10°C) | 115 | 150 | 180 | - |
| | 0°F (-17°C) | 70 | 95 | 145 | 180 |
| | -20°F (-29°C) | 60 | 85 | 120 | 165 |

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

| | | 15A | 20A | 30A | 40A |
|-----------------------|---------------|-----|-----|-----|-----|
| 2703-2 If started at: | 50°F (10°C) | 660 | - | - | - |
| | 0°F (-17°C) | 410 | 560 | 660 | - |
| | -20°F (-29°C) | 360 | 480 | 660 | - |
| 2705-2 If started at: | 50°F (10°C) | 460 | 540 | - | - |
| | 0°F (-17°C) | 300 | 400 | 540 | - |
| | -20°F (-29°C) | 260 | 345 | 520 | 540 |
| 2708-2 If started at: | 50°F (10°C) | 295 | 390 | 420 | - |
| | 0°F (-17°C) | 195 | 250 | 375 | 420 |
| | -20°F (-29°C) | 170 | 225 | 340 | 420 |
| 2710-2 If started at: | 50°F (10°C) | 230 | 305 | 360 | - |
| | 0°F (-17°C) | 150 | 200 | 300 | 360 |
| | -20°F (-29°C) | 130 | 175 | 260 | 360 |

Note: Recommended circuit breakers to minimize the effect of transit start-up currents. Westinghouse: Types BA, EB, EHB, FB, HFB. General Electric: E100 Type TEB, E150, Types TED, THED. Square D: Types EH, FAIF. **The Canadian Electrical Code and National Electric Code requires ground fault protection of equipment for each branch circuit supplying electrical heating cables or devices.**

Power Adjustment Factor

| Part No. | 208 Volts | 277 Volts |
|----------|-----------|-----------|
| 2703-2 | 0.75 | 1.28 |
| 2705-2 | 0.86 | 1.16 |
| 2708-2 | 0.91 | 1.10 |
| 2710-2 | 0.93 | 1.08 |

Heat-Line is a trademark of Heat-Line Corporation. All other trademarks are the property of their respective owners.

Heat-Line Freeze Protection Systems

1095 Green Lake Road
 Algonquin Highlands, ON, Canada
 KOM 1J1
 Tel: 1-705-754-4545
 1-800-584-4944
 Fax: 1-705-754-4567
 info@heatline.com
 www.heatline.com

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. Heat-Line a Division of Christopher MacLean Ltd. makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Heat-Line's only obligations are those in the Heat-Line Standard Terms and Conditions of Sale for this product, and in no case will Heat-Line be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. Heat-Line reserves the right to make changes - without notification to Buyer - to processing or materials that do not affect compliance with any applicable specification. All heating cable products and or accessories presented in this document are distributed through Heat-Line a division of Christopher MacLean Limited in accordance with Heat Trace Products, LLC, the manufacturer.