

DREXAN™ HeatTracer



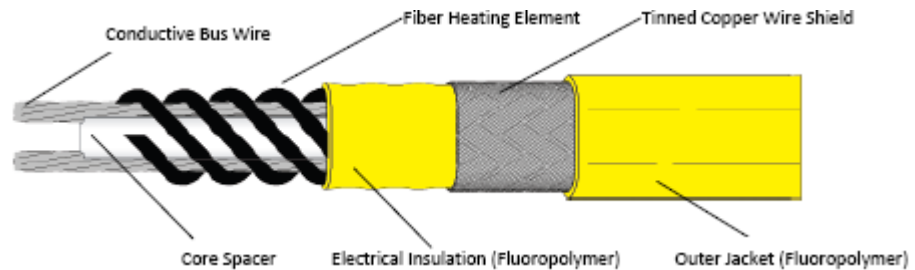
PipeGuard Hot

Self Regulating Heating Cable

Self-Regulating Heating Cables for all your Freeze Protection and Process Temperature Maintenance needs Drexan™ HeatTracer PipeGuard Hot is designed to serve the most demanding environments including hazardous and non-hazardous areas, as well as areas where corrosives may be of concern.

PipeGuard Hot is designed to maintain temperatures up to 250°F (121°C) and can withstand temperatures up to 482°F (250°C). PipeGuard Hot is certified to all applicable CSA standards for use throughout North America. PipeGuard Hot is suitable for metallic pipes, tanks and vessels.

Heating Cable Construction



Application

| | |
|---------------------|--|
| Area Classification | Non-hazardous and hazardous locations |
| Traced Surface Type | Metal Pipes |
| Chemical Resistance | Fluoropolymer outer jacket. For exposure to organic chemicals or corrosives. For aggressive organics and corrosives: Consult your Drexan™ HeatTracer representative. |

Supply Voltage

| | |
|--------------------|-------------|
| PipeGuard Hot xx-1 | 100-130 VAC |
| PipeGuard Hot xx-2 | 200-277 VAC |

Temperature Rating

| | |
|--|---------------|
| Maximum maintain or continuous exposure temperature (power on) | 250°F (121°C) |
|--|---------------|

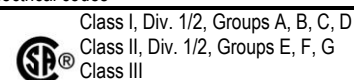
Maximum Exposure Temperature

| | |
|------------------------|---------------|
| Intermittent power-on | 420°F (215°C) |
| Intermittent power-off | 482°F (250°C) |
| Continuous power-off | 400°F (204°C) |

Temperature ID Number (T-Rating)

| | |
|--|--|
| T2C: | PGH20-2-SJ, PGH15-2-SJ |
| T2D: | PGH20-1-SJ, PGH15-1-SJ |
| T3: | PGH5-1-SJ, PGH5-2-SJ, PGH10-1-SJ, PGH10-2-SJ |
| Temperature ID numbers are consistent with all North American electrical codes | |

Approvals

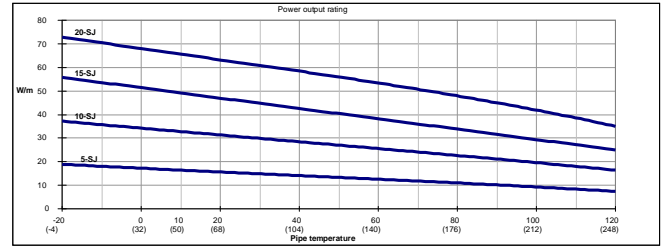
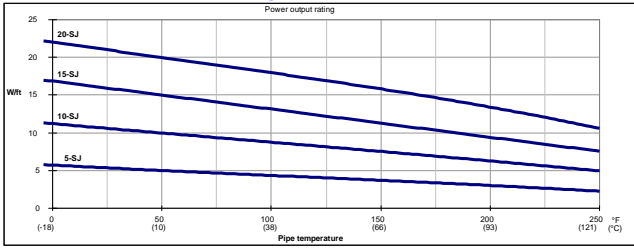


Design and Installation

For design and installation assistance: contact Drexan™ Technical Support at 1-800-663-6873

PipeGuard Hot

Nominal Power Output Rating on Metal Pipes at 120 V/240 V



Maximum Circuit Lengths Based on Circuit Breaker Sizes

Maximum continuous circuit length (in feet) per circuit breaker

| | Start-up ambient temp (F) (C) | | 120V | | | | | 240V | | | | |
|------|----------------------------------|-----|------|-----|-----|-----|-----|------|-----|-----|-----|-----|
| | | | 15A | 20A | 30A | 40A | 50A | 15A | 20A | 30A | 40A | 50A |
| 5SJ | 50 | 10 | 210 | 285 | 375 | 375 | 375 | 425 | 570 | 750 | 750 | 750 |
| | 32 | 0 | 205 | 270 | 375 | 375 | 375 | 410 | 545 | 750 | 750 | 750 |
| | 14 | -10 | 195 | 260 | 375 | 375 | 375 | 390 | 520 | 750 | 750 | 750 |
| | 0 | -18 | 185 | 250 | 375 | 375 | 375 | 375 | 505 | 750 | 750 | 750 |
| | -20 | -29 | 180 | 240 | 360 | 375 | 375 | 360 | 480 | 720 | 750 | 750 |
| | -40 | -40 | 170 | 230 | 345 | 375 | 375 | 345 | 460 | 690 | 750 | 750 |
| 10SJ | 50 | 10 | 115 | 155 | 235 | 280 | 280 | 235 | 315 | 470 | 560 | 560 |
| | 32 | 0 | 110 | 150 | 225 | 280 | 280 | 225 | 300 | 450 | 560 | 560 |
| | 14 | -10 | 105 | 145 | 215 | 280 | 280 | 215 | 290 | 435 | 560 | 560 |
| | 0 | -18 | 105 | 140 | 210 | 280 | 280 | 210 | 280 | 420 | 560 | 560 |
| | -20 | -29 | 100 | 135 | 200 | 270 | 280 | 200 | 270 | 405 | 540 | 560 |
| | -40 | -40 | 95 | 130 | 195 | 260 | 280 | 195 | 260 | 390 | 520 | 560 |
| 15SJ | 50 | 10 | 75 | 105 | 155 | 210 | 230 | 155 | 210 | 315 | 420 | 460 |
| | 32 | 0 | 75 | 100 | 150 | 200 | 230 | 150 | 200 | 305 | 405 | 460 |
| | 14 | -10 | 70 | 95 | 145 | 195 | 230 | 145 | 195 | 290 | 390 | 460 |
| | 0 | -18 | 70 | 95 | 140 | 190 | 230 | 140 | 190 | 285 | 380 | 460 |
| | -20 | -29 | 65 | 90 | 135 | 180 | 225 | 135 | 180 | 270 | 365 | 455 |
| | -40 | -40 | 65 | 85 | 130 | 175 | 215 | 130 | 175 | 260 | 350 | 435 |
| 20SJ | 50 | 10 | 50 | 70 | 105 | 140 | 175 | 120 | 160 | 240 | 320 | 385 |
| | 32 | 0 | 50 | 65 | 100 | 135 | 170 | 115 | 150 | 230 | 305 | 385 |
| | 14 | -10 | 45 | 65 | 95 | 130 | 165 | 110 | 145 | 220 | 295 | 370 |
| | 0 | -18 | 45 | 60 | 95 | 125 | 160 | 105 | 145 | 215 | 290 | 365 |
| | -20 | -29 | 45 | 60 | 90 | 120 | 155 | 105 | 140 | 210 | 280 | 350 |
| | -40 | -40 | 45 | 60 | 90 | 120 | 150 | 100 | 135 | 205 | 270 | 340 |

Ground-Fault Protection

Drexan™ and National Electrical Codes both require ground-fault protection of equipment and a grounded metallic covering on all heating cables. Ground-fault protection of components and each heating cable branch circuit reduces the danger of fire caused by continuous electrical arcing resulting from improper installation or damage to the heating cable. Following are some of the ground-fault breakers that satisfy this equipment protection requirement: Square D Type QOB-EPD or QO-EPD and Cutler Hammer (Westinghouse) Type QBGFEP

Product Characteristics

| | |
|--------------------------------|--------------------------------------|
| Minimum bend radius | @ -40°F (-40°C): 1.72 in (43.8 mm) |
| Weight (lb per 10 ft, nominal) | 0.87 (130 g/m) |
| Buss wire size | 14 AWG |
| Outer jacket color | Yellow |
| Heating cable dimensions | 0.45 in x 0.29 in (11.4 mm x 7.3 mm) |

Components

Drexan™ offers a full range of components for power connections, splices, and end seals. These components must be used in order to ensure proper functioning of the product and compliance with warranty, code and certification requirements.

Right Product, Right Place, Right Price.™