# OmniTrace Warm

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

## HEATING CABLE CONSTRUCTION

← Bus Wires

← Conductive Core

← Inner Jacket

←Metallic Braid

←Outer Jacket

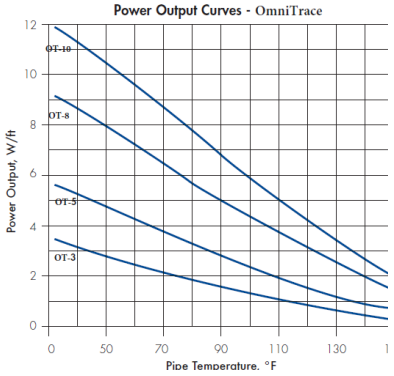
OmniTrace Warm is designed to maintain temperatures up to 150°F/65°C and can withstand temperatures up to 185°F /85°C. OmniTrace Warm is certified to CSA (CUS) standards for usethroughout North America. OmniTrace Warm is suitable for metallic and non-metallic pipes, tanks vessels and roof/gutter..

## APPLICATION

| | | |
|---|---|---|
| AREA CLASSIFICATION | Non-hazardous and hazardous locations | |
| TRACED SURFACE TYPE | Metal and Plastic | |
| CHEMICAL RESISTANCE (OUTER JACKET) | SJ: Fluoropolymer for exposure to organic chemicals or corrosives<br>SJP: Modified polyolefin for exposure to aqueous inorganic chemicals<br>For aggressive organics and corrosives: consult your Drexan representative. | |
| SUPPLY VOLTAGE | OmniTrace-SJ/SJP<br>OmniTrace -SJ/SJP | 100-130 VAC<br>208-277 VAC |

| TEMPERATURE RATINGS | | APPROVALS | |
|---|---|---|---|
| MAXIMUM MAINTAIN OR CONTINUOUS EXPOSURE TEMPERATURE (POWER ON) | 150˚F/65˚C | | |
| MAXIMUM INTERMITTENT EXPOSURE TEMPERATURE, 1000 HRS (POWER-ON) | 185˚F/85˚C | | |
| TEMPERATURE ID NUMBER (T-RATING) | T6: (3, 5, 8 watt/ft.).<br>T5: (10 watt/ft.)<br>Temperature ID numbers are consistent with applicable electrical codes | File 1760825 | Class I, Div. 1/2, Groups A, B, C, D<br>Class II, Div. 1/2, Groups E, F, G<br>Class III<br>General Use<br>Ordinary Locations |
| MINIMUM INSTALLATION TEMPERATURE | -40˚F/˚C | | |

## NOMINAL POWER OUTPUT RATING ON METAL PIPES AT 120




| POWER OUTPUT ADJUSTMENT FACTOR | |
|---|---|
| 208 V | |
| 3-SJ / SJP | 0.82 |
| 5-SJ / SJP | 0.89 |
| 8-SJ / SJP | 0.94 |
| 10-SJ / SJP | 0.96 |
| 277V | |
| 3-SJ / SJP | 1.21 |
| 5-SJ / SJP | 1.14 |
| 8-SJ / SJP | 1.07 |
| 10-SJ / SJP | |

| MAXIMUM CONTINUOUS CIRCUIT LENGTH (FT.) PER CIRCUIT BREAKER | START-UP AMBIENT TEMP | | 120V | | | | 240V | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (F) | (C) | 15A | 20A | 30A | 40A | 15A | 20A | 30A | 40A |
| 3-SJ / SJP | 50 | 10 | 300 | | 330 | 330 | 660 | 655 | 660 | 660 |
| | 0 | -18 | 200 | 270 | | | 410 | 560 | | |
| | -20 | -29 | 180 | 230 | | | 360 | 480 | 660 | |
| | -40 | -40 | 160 | 210 | 320 | | 310 | 407 | 615 | |
| 5-SJ / SJP | 50 | 10 | 230 | 270 | 270 | 270 | 460 | 540 | 540 | 540 |
| | 0 | -18 | 150 | 200 | | | 290 | 385 | | |
| | -20 | -29 | 130 | 175 | 260 | | 260 | 345 | 520 | |
| | -40 | -40 | 115 | 146 | 225 | | 235 | 301 | 445 | |
| 8-SJ / SJP | 50 | 10 | 150 | 200 | 210 | 210 | 295 | 390 | 420 | 420 |
| | 0 | -18 | 95 | 125 | 190 | | 195 | 250 | 375 | |
| | -20 | -29 | 85 | 100 | 170 | | 170 | 225 | 340 | |
| | -40 | -40 | 85 | 110 | 158 | | 155 | 235 | 320 | |
| 10-SJ / SJP | 50 | 10 | 115 | 150 | 180 | 180 | 230 | 305 | 360 | 360 |
| | 0 | -18 | 70 | 95 | 145 | 180 | 150 | 200 | 300 | |
| | -20 | -29 | 70 | 93 | 140 | | 130 | 175 | 260 | |
| | -40 | -40 | 60 | 85 | 120 | | 127 | 175 | 255 | 343 |

GROUND-FAULT PROTECTION: Global Electrical Codes require ground-fault protection of components and each heating cable branch circuit to reduce the danger of fire caused by continuous electrical arcing resulting from improper installation or damage to the heating cable. Conventional circuit protection may not be suitable for preventing electrical arcing. 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 | SJ | SJP |
|---|---|---|
| MINIMUM BEND RADIUS @ 68˚F/20˚C | 1.18 in. (30 mm) | 1.18 in. (30 mm) |
| WEIGHT (NOMINAL) | 0.87 lb./10 ft. (130 g/m) | 0.84 lb./10 ft. (125 g/m) |
| HEATING CABLE DIMENSIONS | 0.508 x 0.230 in. (12.7 x 5.9 mm) | 0.448 x 0.246 in. (11.4 x 6.3 mm) |
| BUS WIRE SIZE | 16 AWG | 16 AWG |
| OUTER JACKET COLOR | Blue | Black |

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

FOR HEAT TRACER TECHNICAL ASSISTANCE CALL 1-800-663-6873 (NORTH AMERICA ONLY) OR +1.780.413.1774