

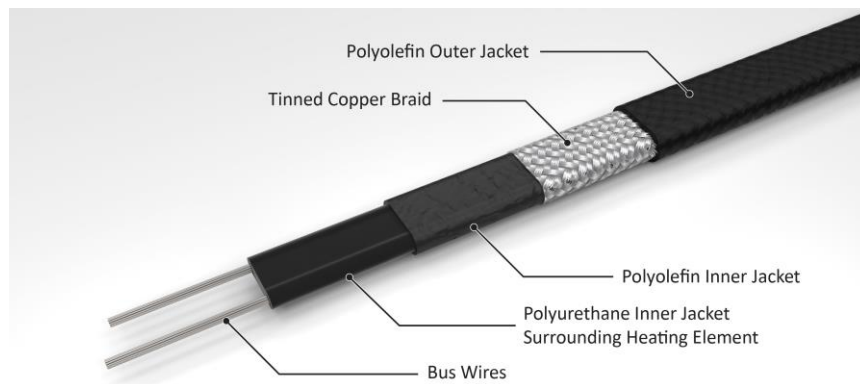
COMMERCIAL TRACE HEATING

PIPE FREEZE PROTECTION

MultiTrace

Self-Regulating Heating Cables for all your Pipe Freeze Protection and Roof/Gutter needs. Drexan HeatTracer MultiTrace is designed to serve the demands of the Commercial, Residential and Industrial non-hazardous markets.

HEATING CABLE CONSTRUCTION



MultiTrace is designed to maintain temperatures up to 150°F/65°C and can withstand temperatures up to 185°F /85°C. MultiTrace is certified to all applicable CSA/UL (CUS) standards for use throughout North America, as well as ATEX 2014/34/EU for global applications. MultiTrace is suitable for metallic and non-metallic roofs, gutters, pipes, tanks and vessels.

APPLICATION

| | |
|---------------------|--|
| AREA CLASSIFICATION | Non-hazardous and hazardous locations |
| TRACED SURFACE TYPE | Metal, Plastic, Asphalt |
| SUPPLY VOLTAGE | MULTITRACE XX-1 100-130 VAC MULTITRACE XX-2 208-277 VAC |

| TEMPERATURE RATINGS | | APPROVALS | |
|--|--|-------------------------|---|
| MAXIMUM MAINTAIN OR CONTINUOUS EXPOSURE TEMPERATURE (POWER ON) | 150°F/65°C | CE 2503 | |
| MAXIMUM INTERMITTENT EXPOSURE TEMPERATURE, 1000 HRS (POWER-ON) | 185°F/85°C | Ex II 2G Ex e IIC T6 Gb | 12ATEX3095X |
| TEMPERATURE ID NUMBER (T-RATING) | T6: 185°F/85°C. Temperature ID numbers are consistent with applicable electrical codes | SP® C US 231572 | Class I, Div. 1/2, Groups A, B, C, D Class II, Div. 1/2, Groups E, F, G Class III |
| MINIMUM INSTALLATION TEMPERATURE | -40°F/-40°C | c UL US LISTED | G-General Use Ordinary Locations |
| | | *E484945/E480818 | |

Trace Heating Redefined

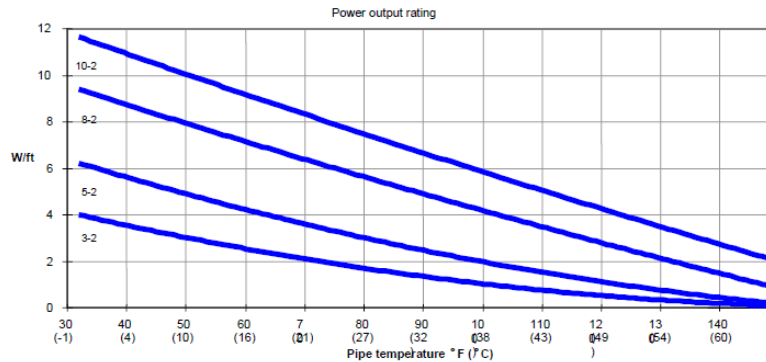
DREXAN ENERGY SYSTEMS OFFERS THE MOST TECHNOLOGICALLY ADVANCED AND STRINGENTLY MANUFACTURED TRACE HEATING SYSTEMS THAT PROVIDE OUTSTANDING COST SAVINGS IN ENGINEERED DESIGN AND FIELD INSTALLATION.



MULTITRACE / PIPE

| POWER OUTPUT ADJUSTMENT FACTOR | |
|--------------------------------|------|
| 208 V | |
| 3-2 | 0.82 |
| 5-2 | 0.89 |
| 8-2 | 0.94 |
| 10-2 | 0.96 |
| 277V | |
| 3-2 | 1.21 |
| 5-2 | 1.14 |
| 8-2 | 1.07 |
| 10-2 | |

NOMINAL POWER OUTPUT RATING ON METAL PIPES AT 120V / 277V



| MAXIMUM CONTINUOUS CIRCUIT (FEET) PER CIRCUIT BREAKER | START-UP AMBIENT TEMP. | | 120V | | | | 240V | | | | |
|---|------------------------|-----|------|-----|-----|-----|------|-----|-----|-----|-----|
| | °F | °C | 15A | 20A | 30A | 40A | 15A | 20A | 30A | 40A | |
| MT3 | 50 | 10 | 335 | 335 | 335 | 335 | 665 | 665 | 665 | 665 | |
| | 32 | 0 | 295 | | | | 590 | | | | |
| | 14 | -10 | 245 | 495 | | | 665 | | | | |
| | 0 | -18 | 215 | 435 | | | | | | | |
| | -20 | -29 | 185 | 370 | | | | | | | |
| | -40 | -40 | 160 | 320 | | | | | | | |
| MT5 | 50 | 10 | 225 | 275 | 275 | 275 | 455 | 550 | 550 | 550 | |
| | 32 | 0 | 190 | 255 | | | 385 | 510 | | | |
| | 14 | -10 | 165 | 220 | | | 330 | 440 | | | 550 |
| | 0 | -18 | 145 | 195 | | | 295 | 395 | | | |
| | -20 | -29 | 125 | 170 | | | 255 | 340 | | | 515 |
| | -40 | -40 | 110 | 150 | | | 225 | 225 | | | 300 |
| MT8 | 50 | 10 | 145 | 195 | 215 | 215 | 215 | 285 | 430 | 435 | |
| | 32 | 0 | 125 | 170 | | | 185 | 250 | 375 | | |
| | 14 | -10 | 110 | 145 | | | 165 | 220 | 335 | | |
| | 0 | -18 | 100 | 135 | | | 150 | 205 | 305 | | 410 |
| | -20 | -29 | 90 | 120 | | | 135 | 185 | 275 | | 370 |
| | -40 | -40 | 80 | 105 | | | 160 | 125 | 165 | | 250 |
| MT10 | 50 | 10 | 100 | 130 | 185 | 185 | 100 | 135 | 200 | 265 | |
| | 32 | 0 | 90 | 120 | 180 | | 90 | 120 | 180 | 245 | |
| | 14 | -10 | 80 | 110 | 165 | | 85 | 110 | 165 | 225 | |
| | 0 | -18 | 75 | 100 | 155 | | 75 | 105 | 155 | 210 | |
| | -20 | -29 | 70 | 90 | 140 | | 70 | 95 | 145 | 195 | |
| | -40 | -40 | 60 | 85 | 125 | | 170 | 65 | 90 | 135 | 180 |

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 QBGFEF.

PRODUCT CHARACTERISTICS

| | |
|---------------------------------|---------------------------------|
| MINIMUM BEND RADIUS @ 68°F/20°C | 1.18 in. (30 mm) |
| WEIGHT (NOMINAL) | 0.84 lb./10 ft. (125 g/m) |
| HEATING CABLE DIMENSIONS | 0.51 x 0.22 in. (13.0 x 5.7 mm) |

Components

HEATSHRINK COMPONENTS

Drexan HeatTracer Heat Shrink Components are for installation with MultiTrace Cables. Designed to serve the most demanding environments, Heat Shrink components are suited for Non-Hazardous areas, as well as areas where corrosives may be of concern. Heat Shrink components have been designed for application temperatures up to 150°F/65°C and can withstand temperatures up to 185°F/85°C. Heat Shrink components are certified to all applicable CSA / UL (CUS) standards for use throughout North America, and are suitable for metallic and non-metallic pipes, tanks, roofs and gutters.

*Power Connection



Part # HS-PC (1/2" NPT)

Power Connection



Part # PG-TERM (3/4" NPT c/w Core Sealer)

*Splice/Tee



Part # HS-TSPLICE

*End Seal





Part # HS-ESK

SPECIFICATIONS

| | |
|-----------------------------------|---------------------------------------|
| AREA CLASSIFICATION | Non-hazardous and hazardous locations |
| TRACED SURFACE TYPE | Metal and Plastic Pipes |
| COMPATIBLE HEATING CABLE | MultiTrace (3, 5, 8, 10 W/ft.) / |
| SUPPLY VOLTAGE(S) | 120/277 VAC |
| MAXIMUM PIPE EXPOSURE TEMPERATURE | 185°F/85°C |
| MINIMUM AMBIENT TEMPERATURE | -30°F/-34°C |

APPROVALS

| | |
|--|---------------------------------------|
|  C US 231572 | Class I, Div. 2, Groups A, B, C, D |
| | Class II, Div. 2, Groups E, F, G |
|  *E484945/E480818 | Class III |
| | †G-General Use †Ordinary Locations |