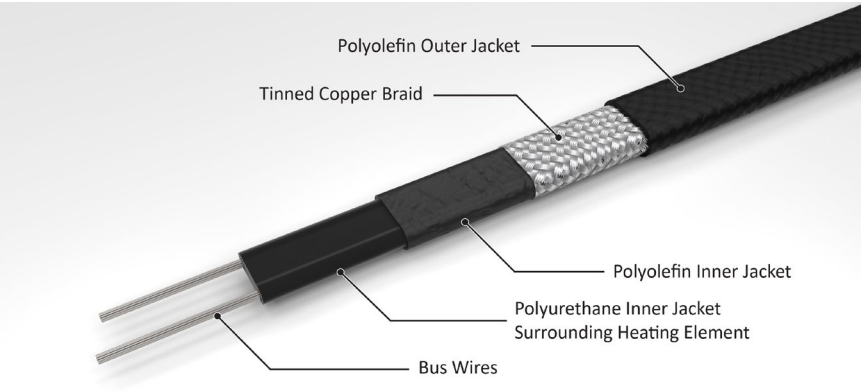
MultiTrace®

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

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: 185˚F/85˚C. Temperature ID numbers are consistent with applicable electrical codes
MINIMUM INSTALLATION TEMPERATURE	-40˚F/-40˚C

APPROVALS

CE 2503

Ex II 2G Ex e IIC T6 Gb 12ATEX3095X

C SP® US 231572

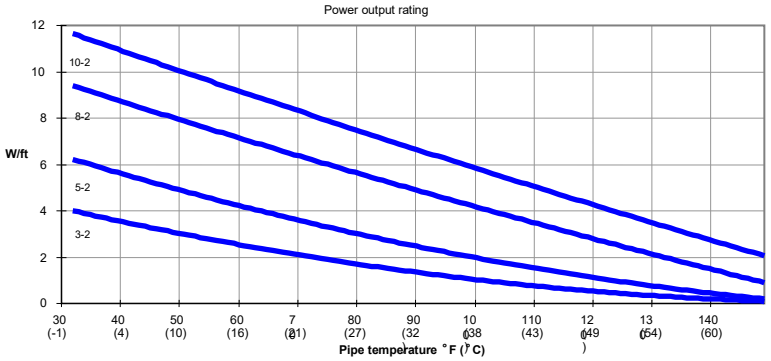
Class I, Div. 1/2, Groups A, B, C, D
Class II, Div. 1/2, Groups E, F, G
Class III
G-General Use Ordinary Locations

c UL us LISTED *E484945/[t]E480818

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 CIRCUITLENGTH (FT.) PER CIRCUIT BREAKER	START-UP AMBIENT TEMP		120V				240V			
	(F)	(C)	15A	20A	30A	40A	15A	20A	30A	40A
MT3	50	10	335	335	340	345	653	655	662	665
	0	-18	210	267	340		403	525	660	
	-20	-29	180	243	340		348	448	615	
	-40	-40	160	210	320		310	407		
MT5	50	10	235	272	272	272	465	545		545
	0	-18	155	192	272		290	545		
	-20	-29	133	160	255		250	505		
	-40	-40	115	146	215		235	445		
MT8	50	10	155	202	215	215	303	403	427	427
	0	-18	105	135	203		195	267	404	
	-20	-29	90	120	180		178	240	355	
	-40	-40	85	110	158		155	235	320	
MT10	50	10	125	157	182	180	243	315	365	365
	0	-18	80	112	163		155	220	325	343
	-20	-29	70	93	140		148	190	282	343
	-40	-40	65	85	125		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

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)

BUS WIRE SIZE	16 AWG
OUTER JACKET COLOR	Black

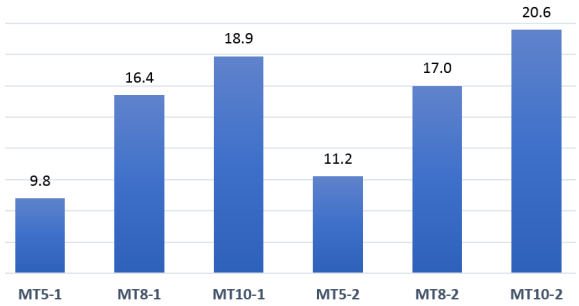
COMPONENTS: Drexan offers a full range of components for power connections, splices and end seals. These components must be used to ensure proper functioning of the product and compliance with warranty, code and certification requirements.

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

MULTITRACE / ROOF & GUTTER

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

OUTPUT IN WATER @ 33°F (1°C) – W/FT



MAX. CONTINUOUS CIRCUIT (FT) PER CIRCUIT BREAKER	START-UP AMBIENT TEMP.		120V				240V			
	˚F	˚C	15A	20A	30A	40A	15A	20A	30A	40A
MT5-SJP	50	10	190	215	215		385	425	425	
	33	1	160				320			
	14	-10	140	185			275	365		
	-4	-20	120	160			240	320		
MT8-SJP	50	10	120	155	165	165	205	275	335	335
	33	1	100	140			185	245		
	14	-10	90	120			165	215	325	
	-4	-20	80	110	160		150	195	295	
MT10-SJP	50	10	100	130	150	150	100	130	200	265
	33	1	85	115			90	120	180	245
	14	-10	75	100			85	110	165	225
	-4	-20	70	90	140		80	105	155	205

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

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)
BUS WIRE SIZE	16 AWG
OUTER JACKET COLOR	Black

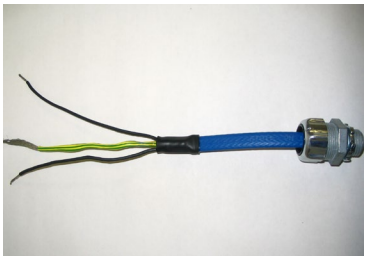
COMPONENTS: Drexan offers a full range of components for power connections, splices, and end seals which must be used to ensure proper functioning of the product and compliance with warranty, code and certification requirements.

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

CABLE COMPONENTS

A typical heat tracing system will include cable, cable components and controls as required (see p.1 for Approvals).

HeatShrink® Components



***†HS-PC**
Power Connection
(Junction box not included)

***†HS-TSPLICE**
Splice Kit

***†HS-ESK**
End Seal Kit

HS-JB
Junction Box
(not ATEX/UL approved)

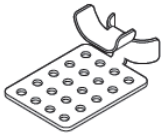
*AMIGA Power / Tee / Splice

AMIGA is an advanced connection system designed for use with the Drexan HeatTracer family of Self-Regulating PipeGuard cables. AMIGA can connect up to three heaters to power or be used as an inline splice (no power) or inline tee (no power).

AMIGA consists of a pipe-mounted stanchion and an enclosure (junction box) with terminal blocks mounted on DIN rail. The AMIGA stanchion provides ample room in which installers can manipulate heating cables, has excellent mechanical protection for cables installed on a pipe, and permits application of up to 4 inches (102 mm) of thermal insulation.

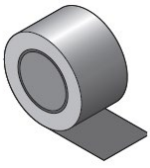
AMIGA is CSA/UL (CUS) certified for both non-hazardous and hazardous locations up to Class I Division 2 (Zone 2). AMIGA is not ATEX-approved.

Cable Fastening Accessories



Roof Clip, RC50

Downspout Cable Support, MT-CS



Aluminum Foil Tape, TAPE-AL