

DREXAN™ HeatTracer



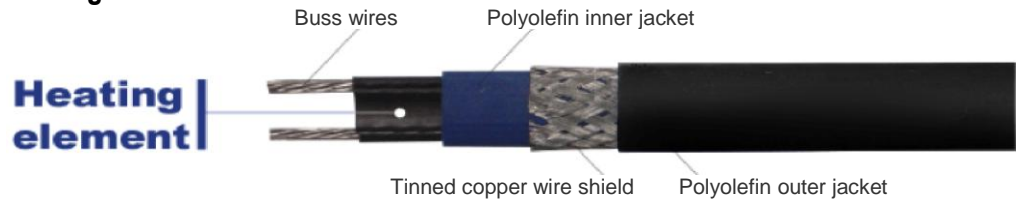
MultiTrace

Self Regulating Heating Cable for Roof/Gutter & Pipe Freeze Protection Applications

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.

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 (CUS) standards for use throughout North America. MultiTrace is suitable for metallic and non-metallic roofs, gutters, pipes, tanks and vessels.

Heating Cable Construction



Application

Area Classification	Ordinary locations
Traced Surface Type	Metal, plastic, asphalt

Supply Voltage

MultiTrace xx-1	100-130 VAC
MultiTrace xx-2	200-277 VAC

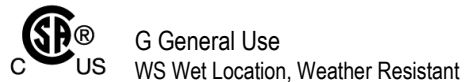
Temperature Rating

Maximum maintain or continuous exposure temperature (power on)	150°F (65°C)
Maximum intermittent exposure temperature, 1000 hours (power on)	185°F (85°C)

Temperature ID Number (T-Rating)

T6: 185°F (85°C) 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

Heating Cables

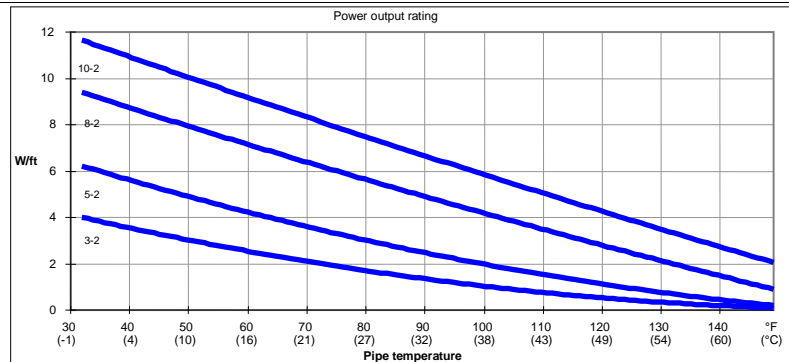
www.drexanheattracer.com

Tech Line:
1-800-663-6873

MultiTrace / Pipe

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

	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	1.07



Maximum Circuit Lengths Based on Circuit Breaker Sizes

	Ambient temperature at start-up	Maximum continuous circuit length (in feet) per circuit breaker							
		120V				240V			
		15 A	20 A	30 A	40 A	15 A	20 A	30 A	40 A
3	50°F (10°C)	311	311	316	321	607	609	615	615
	0°F (-18°C)	195	248	316	321	375	488	615	615
	-20°F (-29°C)	167	226	316	321	323	416	613	615
	-40°F (-40°C)	148	195	297	321	288	378	571	615
5	50°F (10°C)	218	252	252	252	432	506	506	506
	0°F (-18°C)	144	178	252	252	269	358	506	506
	-20°F (-29°C)	123	148	237	252	232	311	469	506
	-40°F (-40°C)	106	135	209	252	218	280	413	506
8	50°F (10°C)	144	187	199	199	281	374	397	397
	0°F (-18°C)	97	125	188	199	181	248	375	397
	-20°F (-29°C)	83	111	167	199	165	223	330	397
	-40°F (-40°C)	79	102	146	199	144	218	297	397
10	50°F (10°C)	116	146	169	170	225	292	339	339
	0°F (-18°C)	74	104	151	167	144	204	302	339
	-20°F (-29°C)	65	86	130	167	137	176	262	339
	-40°F (-40°C)	60	79	116	167	118	162	237	318

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	@68°F (20°C): 1.18 in (30 mm)
Weight (lb per 10 ft, nominal)	0.84 (125 g/m)
Buss wire size	16 AWG
Outer jacket color	Black
Heating cable dimensions	0.51 in x 0.22 in (13.0 mm x 5.7 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.

MultiTrace / Roof & Gutter

Maximum Circuit Lengths in Feet (Meters)

	Ambient temperature at start-up		Circuit Breaker Size			
			15 A	20 A	30 A	40 A
MT-5 @ 120V	32°F	(0°C)	100 (30)	135 (41)	200 (61)	-
	20°F	(-7°C)	95 (29)	125 (38)	185 (56)	200 (61)
	0°F	(-18°C)	80 (24)	100 (30)	155 (47)	200 (61)
MT-5 -2 @ 208V	32°F	(0°C)	190 (58)	250 (76)	380 (116)	-
	20°F	(-7°C)	180 (55)	235 (72)	355 (108)	380 (116)
	0°F	(-18°C)	145 (44)	195 (59)	290 (88)	380 (116)
MT-5-2 @ 240V	32°F	(0°C)	200 (61)	265 (81)	400 (122)	-
	20°F	(-7°C)	190 (58)	250 (76)	370 (113)	400 (122)
	0°F	(-18°C)	155 (47)	205 (62)	305 (93)	400 (122)
MT-5-2 @ 277V	32°F	(0°C)	215 (66)	290 (88)	415 (126)	-
	20°F	(-7°C)	200 (61)	265 (81)	400 (122)	415 (126)
	0°F	(-18°C)	165 (50)	225 (69)	330 (101)	415 (126)

Wattage Output 12 watts/ft (39 watts/M) in ice/snow

Temperature Rating*

Maximum maintain or continuous exposure temperature (power on) 150°F (65°C)

Maximum intermittent exposure temperature, 1000 hours (power on) 185°F (85°C)

Temperature ID Number (T-Rating)*

T6: 185°F (85°C)

Temperature ID numbers are consistent with all North American electrical codes

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 approval requirements.

Ground-Fault Protection

Drexan™ and National Electrical Codes both 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 to prevent 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

Design and Installation

For design and installation assistance: contact Drexan™ Technical Support at 1-800-663-6873 Also reference RoofGuard Design Guide HD070221-1

Cable Components

A typical heat tracing system will include cable, cable components and controls as required.

Heat Shrink Components



HS-PC
Power Connection



HS-TSPLICE
Splice Kit



HS-ESK
Splice Kit



HS-JB
Junction Box

PowerPod Components



PP-PC-HL (Hazardous) & PP-PC-OL (Ordinary)
PowerPod™ Power Connection and Splice Kit allows a power supply to one heating cable (power to heater) or a splice between two heating cables (heater to heater).

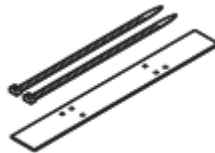


PP-RE-L
PowerPod™ Re-enterable End Seal is an above thermal insulation end seal designed for repeated use and entry should cable modification be required in the field.

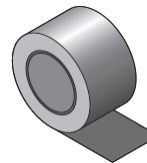
Cable Fastening Accessories



Roof Clip, **RC50**



Downspout Cable Support **MT-CS**



Aluminum Foil tape **TAPE-AL**