

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.



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



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 use throughout North America. OmniTrace Warm is suitable for metallic and non-metallic pipes, tanks vessels and roof/gutter applications..

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	
	SJP Modified polyolefin for exposure to aqueous inorganic chemicals	
	For aggressive organics and corrosives consult your Drexan representative.	
SUPPLY VOLTAGE	OmniTrace-SJ/SJP	100-130 VAC
	OmniTrace- -SJ/SJP [®]	208-277 VAC

TEMPERATURE RATINGS		APPROVALS	
MAXIMUM MAINTAIN OR CONTINUOUS EXPOSURE TEMPERATURE (POWER ON)	150°F/65°C	 File 604394	Class I, Div. 1/2, Groups A, B, C, D Class II, Div. 1/2, Groups E, F, G Class III General Use Ordinary Locations
MAXIMUM INTERMITTENT EXPOSURE TEMPERATURE, 1000 HRS (POWER-ON)	185°F/85°C		
TEMPERATURE ID NUMBER (T-RATING)	T6 (3, 5, 8 watt/ft.). T5 (10 watt/ft.) Temperature ID numbers are consistent with applicable electrical codes		
MINIMUM INSTALLATION TEMPERATURE	-40°F/°C		

DREXAN ENERGY SYSTEMS, INC.

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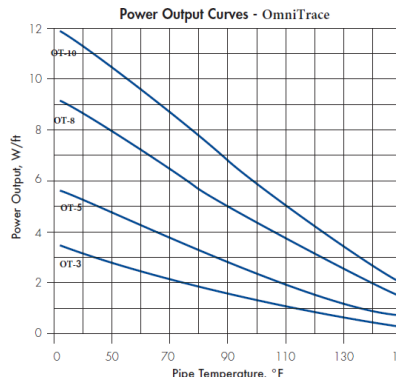
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NOMINAL POWER OUTPUT RATING ON METAL PIPES AT 120



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	1.07

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				660	655	660	660
	0	-18	200	270	330	330	410	560		
	-20	-29	180	230			360	480		
	-40	-40	160	210			310	407		
5-SJ / SJP	50	10	230	270	270	270	460	540	540	540
	0	-18	150	200			290	385		
	-20	-29	130	175			260	345		
	-40	-40	115	146			235	301		
8-SJ / SJP	50	10	150	200	210	210	295	390	420	420
	0	-18	95	125			195	250		
	-20	-29	85	100			170	225		
	-40	-40	85	110			155	235		
10-SJ / SJP	50	10	115	150	180	180	230	305	360	360
	0	-18	70	95			150	200		
	-20	-29	70	93			130	175		
	-40	-40	60	85			127	175		

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

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MAXIMUM CIRCUIT LENGTHS IN ICE/SNOW (Roof & Gutter)

MAXIMUM CONTINUOUS CIRCUIT LENGTH (FT.) PER CIRCUIT BREAKER	START-UP AMBIENT TEMP		120V				240V			
	(F)	(C)	15A	20A	30A	40A	15A	20A	30A	40A
	50	10	215		215	215	385	425	425	425
5-SJ / SJP	0	-18	160	215	215	215	320	425	425	425
	-20	-29	140	185			275	365		
	-40	-40	120	160			240	320		
	-40	-40	120	155			205	275		
8-SJ / SJP	0	-18	100	140	165	165	185	245	325	335
	-20	-29	90	120			165	215		
	-40	-40	80	110			150	195		
	-40	-40	80	110			150	195		
10-SJ / SJP	0	-18	85	115	150	150	90	120	180	265
	-20	-29	75	100			185	110		
	-40	-40	70	90			180	105		
	-40	-40	70	90			180	105		

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