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

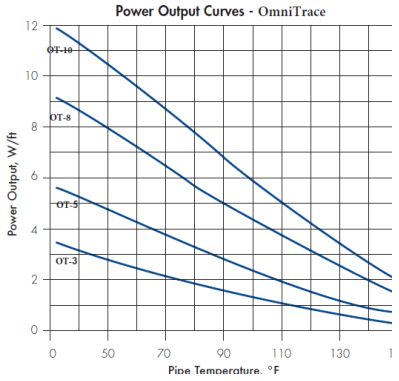
OmniTrace Warm is designed to maintain temperatures up to 150°F/65°C and can withstand temperatures up to 185°F /85°C. OmniTrace Warm is certified to CSA (CUS) standards for use throughout North America. OmniTrace Warm is suitable for metallic and non-metallic pipes, tanks vessels and roof/gutter applications..

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 OmniTrace -SJ/SJP	100-130 VAC 208-277 VAC

TEMPERATURE RATINGS		APPROVALS	
MAXIMUM MAINTAIN OR CONTINUOUS EXPOSURE TEMPERATURE (POWER ON)	150˚F/65˚C	C SP® US 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		

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

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
5-SJ / SJP	50	10	215		215	215	385	425	425	425
	0	-18	160	215			320	425		
	-20	-29	140	185			275	365	425	
	-40	-40	120	160	215		240	320	425	
8-SJ / SJP	50	10	120	155	165	165	205	275	325	335
	0	-18	100	140			185	245		
	-20	-29	90	120	165		165	215	325	
	-40	-40	80	110	160		150	195	295	
10-SJ / SJP	50	10	100	130	150	150	100	130	200	265
	0	-18	85	115	150		90	120	180	
	-20	-29	75	100	150		185	110	165	
	-40	-40	70	90	140		180	105	155	

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