WINTERSAFE™ SELF-REGULATING HEATING CABLE

Features

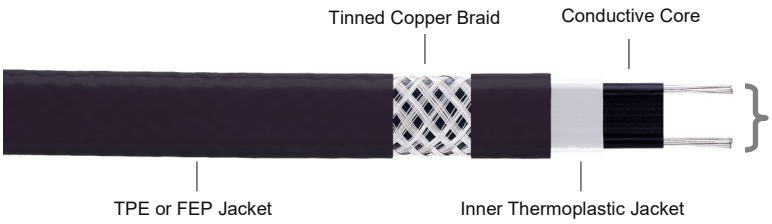
- Automatically varies output in response to pipe temperature
- Simple to install with HTD approved connection kits
- Cannot overheat or burnout.
- Approved for use in Class I, Div. 2 areas (Contact HTD for Class I, Div.1)
- HTD will cut to length. NO WASTE
- Available in 3, 5, 8 and 10 Watts/ft. 120VAC or 208-277VAC
- Available with Thermoplastic (polyolefin) or Fluoropolymer outer jacket
- Perfect for pipe freeze protection or temperature maintenance up to 150F
- UV & weather resistant for outdoor roofing installations

WinterSafe Heating Cables are approved for use throughout the United States and Canada in ordinary areas and the following classified areas:

Class I, Div. 2 Groups A, B, C, D
Class II, Div. 2, Groups E, F, G
Class III

WinterSafe Heating Cables comply 100% with ANSI/IEEE Standard 515 and 515.1
NEC Articles 426 and 427
CSA 22.2 No. 130-03

C US



Contact HTD Heat Trace today to discuss your heat tracing requirements

908-788-5210

sales@htdheattrace.com

Www.htdheattrace.com

WINTERSAFE™ SELF-REGULATING HEATING CABLE PRODUCT DATASHEET

- Maximum Intermittent Exposure Temperature (1000 hours): **185F**
- Maximum Maintenance or Continuous Exposure Temperature: **150F**
- Temperature Classification: **T6**
- Operating Voltages: **110-120VAC or 208-277VAC**

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C US

Product Range

Product	Watts/ft	Voltage	Max Circuit
WSR31	3	120 VAC	330 Ft
WSR51	5	120 VAC	270 Ft
WSR81	8	120 VAC	210 Ft
WSR101	10	120 VAC	180 Ft
WSR32	3	240 VAC	660 Ft
WSR52	5	240 VAC	540 Ft
WSR82	8	240 VAC	420 Ft
WSR102	10	240 VAC	360 Ft

Adjustment Factors

	Power Output		Max Circuit Length	
	208VAC	277VAC	208VAC	277VAC
WSR32	0.82 (2.46 W/ft)	1.13 (3.39 W/ft)	0.96	1.08
WSR52	0.85 (4.25 W/ft)	1.12 (5.6 W/ft)	0.94	1.09
WSR82	0.89 (7.12 W/ft)	1.08 (8.64 W/ft)	0.93	1.11
WSR102	0.89 (8.9 W/ft)	1.08 (10.8 W/ft)	0.92	1.11

Maximum Circuit Length Vs. Circuit Breaker Size

Product Reference	Startup Temp.	120VAC				240VAC			
		15A	20A	30A	40A	15A	20A	30A	40A
WSR3	50F	330	330	330	330	660	660	660	660
	0F	200	265	330	330	395	530	660	660
	-20F	175	235	330	330	350	465	660	660
WSR5	50F	230	270	270	270	460	540	540	540
	0F	140	190	270	270	285	380	540	540
	-20F	125	165	250	270	250	330	500	540
WSR8	50F	150	200	210	210	300	400	420	420
	0F	100	130	200	210	200	265	400	420
	-20F	85	115	175	210	175	235	350	420
WSR10	50F	120	160	180	180	240	315	360	360
	0F	80	110	160	180	160	215	325	360
	-20F	70	95	140	180	145	190	285	360

*The National Electric Code Articles 426 and 427 require the use of ground fault equipment protection.

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INTRODUCTION

Wintersafe is a low-temperature, industrial grade, self-regulating heating cable with exceptional design and application capabilities. The product can be used on all sizes of metal and plastic piping for applications ranging from basic freeze protection to process maintenance temperatures of 150° F.

The power output (watts / ft) of a self-regulating heating cable varies with operating temperature. Use the graph shown below to determine the actual power output on each application based upon the operating temperature of the pipe.

The data below assumes the use of thermal insulation and output is based on the use of WinterSafe Heating cable on a metal pipe. For non-metalic pipe heat tracing applications the effective output of the heating cable will be approximately 75% that of the data below.