

Nuheat Weather-Ready™ Heat Trace Cable

For Pipe Freeze Protection

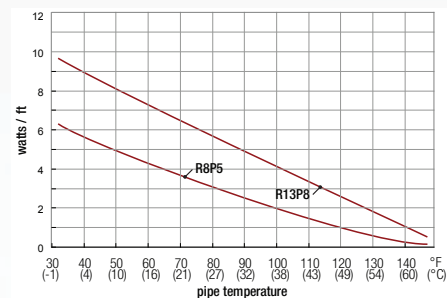
Nuheat Weather-Ready™ Self-Regulating Heat Trace Cables are designed for commercial and residential (non-hazardous) pipe freeze protection for indoor/outdoor metal or plastic pipes (can also be used for roof & gutter de-icing).

FEATURES

- Regulates power output in response to changes in the pipe temperature to reduce energy consumption
- Cable can overlap across itself without risk of overheating and/or burnout for easy installation around pipes and pipe features
- Cable can be cut or extended to required length on jobsite for ultimate versatility
- Cable can also be used for roof & gutter de-icing applications



POWER OUTPUT CURVE



The Power Output Curve illustrates the relationship between wattage output and pipe temperature. As the pipe temperature rises, the heating cable uses less wattage and emits less heat.

WATTAGE OUTPUT CURVE

	Wattage Output	
	@ 50°F on metal pipe	@ 32°F on ice/snow
R8P5	5	8
R13P8	8	13

WEATHER-READY™ HEAT TRACE CABLE

MODEL NUMBERS

- R8P5-1 (formerly known as 13FP05W1)
- R8P5-2 (formerly known as 13FP05W2)
- R13P8-1 (formerly known as 13FP08W1)
- R13P8-2 (formerly known as 13FP08W2)

PIPE MATERIAL

Suitable for metal or plastic pipes

OUTPUT PER FOOT @ 50°F (on metal pipes)

- 5 watts - R8P5
- 8 watts - R13P8

VOLTAGE

- 120V (100V -130V)
- 240V (208V -277V)

CABLE DIMENSIONS

0.51 inches x 0.22 inches
(13.1mm x 5.6mm)

MINIMUM BEND RADIUS

1.18 inches (30mm)

MAXIMUM EXPOSURE TEMP.

150°F (66°C)

WARRANTY

10 years*

* available when online warranty card completed within 30 days of installation

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MAXIMUM CIRCUIT LENGTHS

	START UP TEMPERATURE	120V				240V			
		CIRCUIT BREAKER SIZE							
		15A	20A	30A	40A	15A	20A	30A	40A
R8P5	50°F (10°C)	225	275	275	275	450	550	550	550
	32°F (0°C)	190	255	275	275	380	505	550	550
	14°F (-10°C)	160	215	275	275	325	435	550	550
	-4°F (-20°C)	140	190	275	275	285	380	550	550
	-22°F (-30°C)	125	170	255	275	255	340	505	550
R13P8	50°F (10°C)	145	195	215	215	295	390	430	430
	32°F (0°C)	125	170	215	215	255	340	430	430
	14°F (-10°C)	110	150	215	215	225	300	430	430
	-4°F (-20°C)	100	130	200	215	200	265	400	430
	-22°F (-30°C)	90	120	180	215	180	240	365	430

ADJUSTMENT FACTORS

Nuheat Weather-Ready™ Self-Regulating Heat Trace Cables are rated at 240V. Adjustments need to be made to the power output as well as maximum circuit lengths if the supply voltage of the application is at 208V or 277V.

	Heating Cable	Power Output	Circuit Length
208V	R8P5-2	0.89	0.92
	R13P8-2	0.94	0.90
277V	R8P5-2	1.12	1.08
	R13P8-2	1.07	1.11

CONTROLS

The self-regulating cable can operate safely without the use of thermostats or controls but use of thermostats or controls is recommended to improve energy efficiency. Please contact your Nuheat Representative for more information on our sensors and controls.

GROUND-FAULT PROTECTION

Nuheat Industries and National Electrical Codes require 30-mA equipment ground-fault protection on 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.