

# Nuheat Weather-Ready™ Heat Trace Cable

## For Roof & Gutter De-Icing

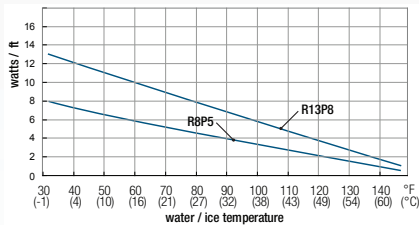
Nuheat Weather-Ready™ Self-Regulating Heat Trace Cables are designed for commercial and residential (non-hazardous) applications to create drain paths needed to prevent ice dams and ice build-up that can cause extensive damage to roof and gutter systems. The power output will increase as ambient temperature decreases in the presence of ice or snowfall.

### FEATURES

- Regulates power output in response to changes in the ambient conditions
- Cable can overlap across itself without risk of overheating and/or burnout for easy installation around roof, gutters, and downspouts
- Cable can be cut or extended to required length on jobsite for ultimate versatility
- Cable can also be used for pipe freeze protection applications



### POWER OUTPUT CURVE



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

### WATTAGE OUTPUT CURVE

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

## 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)

### ROOF MATERIAL

Suitable for shingles, metal, plastic tar and wood roofs

### OUTPUT PER FOOT @ 32°F (in ice/snow)

- 8 watts - R8P5
- 13 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

		120V				240V			
		CIRCUIT BREAKER SIZE							
START UP TEMPERATURE		15A	20A	30A	40A	15A	20A	30A	40A
R8P5	50°F (10°C)	215	215	215	215	430	430	430	430
	32°F (0°C)	190	215	215	215	380	430	430	430
	14°F (-10°C)	160	215	215	215	325	430	430	430
	-4°F (-20°C)	140	190	215	215	285	380	430	430
R13P8	50°F (10°C)	145	170	170	170	295	345	345	345
	32°F (0°C)	125	170	170	170	255	340	345	345
	14°F (-10°C)	110	150	170	170	225	300	345	345
	-4°F (-20°C)	100	130	170	170	200	265	345	345

### ADJUSTMENT FACTORS

The 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.