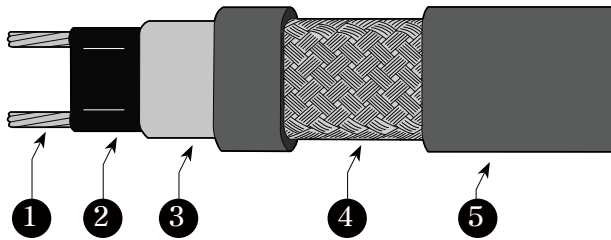


*RPH-*CR Factory Assembled Type

Self-Regulating Heating Cable

Residential Pipe Heating

Product Structure



1. Bus Wires[Nickel-plated Copper / Tinned Copper]
2. Conductive Core [Heating Matrix]
3. Inner Jacket [Modified Polyolefin]
4. Metallic Braid [Tinned Copper]
5. Outer jacket [CR: UV resistant Modified Polyolefin]

RPH electric heating cables are designed for commercial / residential metal and plastic Pipe-heating applications (not intended for use inside any pipes, for freeze protection of liquids other than water, or for use in classified hazardous locations).

Preassembled products are supplied for commercial and residential use.

Specification

Max. Intermittent Exposure Temp. (Heating device energized or de-energized)	185°F (85°C)
Max. Maintain or Continuous Exposure Temp.	149°F (65°C)
Supply Voltage	120 VAC / 208 - 240 VAC
Output Wattage	3, 5W/ft (@50°F on pipe) 9, 16W/m (@10°C on pipe)
Bus wire gauge	16 AWG
Min. Bending Radius	1.57in(@-40°F) 40mm(@-40°C)
Min. Installation Temperature	-40°F / -40 °C
Protection	NEMA 4X, Type4X, IP66
Outer Jacket Color	Black
Braid Coverage	Minimum 80%
Braid Electrical Resistance	Maximum 0.012Ω/m

*Technical information subject to change without notification.

Model Type Definition

Type	Max ft	Max m	Max A	Max W
3RPH-1CR	263	80	6.1	736
3RPH-2CR	496	151	6.7	1389
5RPH-1CR	197	60	8.2	985
5RPH-2CR	348	106	8.3	1740

□ RPH - □ CR

Voltage Rating : 1 (120V) / 2 (208-240V)

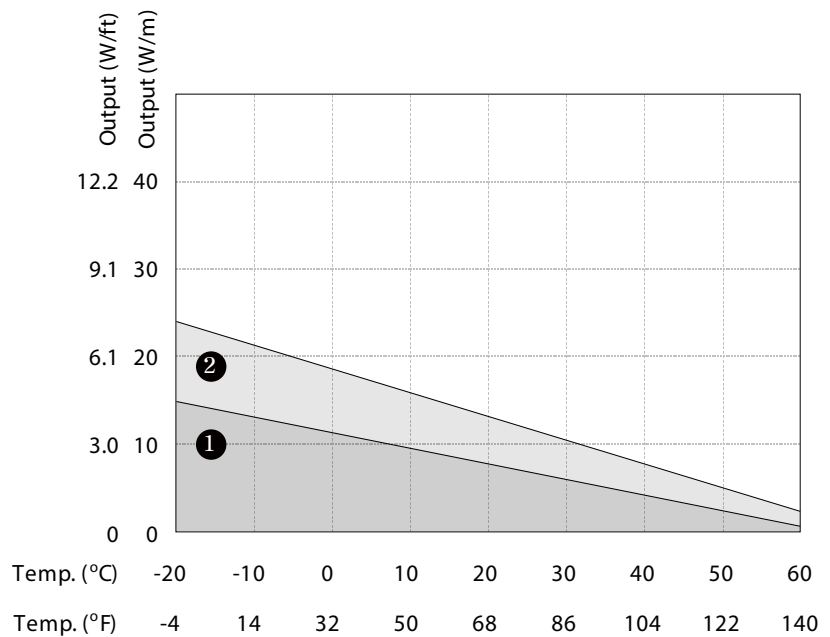
Output Wattage : 3, 5W/ft

Note

1. Electrical equipment T-ratings codes define the maximum surface temperature that equipment will reach. It is used in hazardous (classified) area applications.

Thermal Output Ratings on Insulated Metal Pipes at 120V

- ① 3 RPH
- ② 5 RPH



Note

1. Thermal outputs above are tested in accordance with IEEE 515, with each model on a metallic pipe insulated with a fiberglass insulation.

Certification / Approvals



Residential
Pipe Heating Cable
E488383
Parallel-W

*Technical information subject to change without notification.

Product Model RPH 120V

Xarex RPH cable is pre-assembled kit that contains everything needed for your easy and safe installation. It is suitable for pipe freeze protection.

RPH cable is UL listed which means the safety and reliability of this product for using in your valuable house and building.

The cable is energy-efficient and economical because it can self-regulate heat value.



Product Specifications

Rated Voltage
120, 208~240

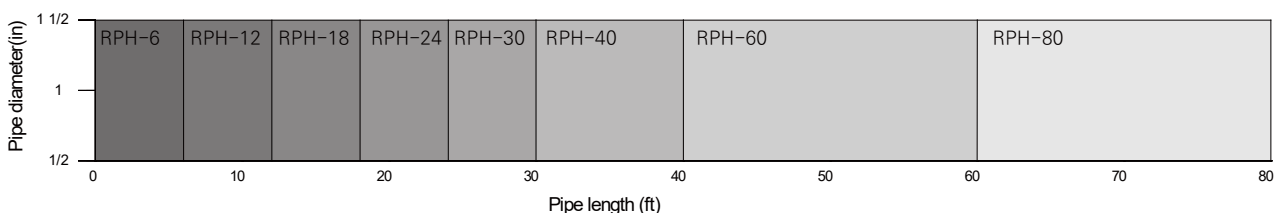
Output
3, 5 W/ft (@ 10°C / 50°F)

Heating Cable Length
6, 12, 18, 24, 30, 40, 60, 80 ft

Cold Lead
0.8m Length 3G 1.0 with Plug

Model Number	Voltage	Cable Length (ft/m)
5RPH-1CR-PL006	120	6 / 1.8
5RPH-1CR-PL012	120	12 / 3.7
5RPH-1CR-PL018	120	18 / 5.5
5RPH-1CR-PL024	120	24 / 7.3
5RPH-1CR-PL030	120	30 / 9.1
5RPH-1CR-PL040	120	40 / 12.1
5RPH-1CR-PL060	120	60 / 18.2
5RPH-1CR-PL080	120	80 / 24.3

RPH 120V Selection for Metal and Plastic Pipes



*Technical information subject to change without notification.

Permissible Thickness and Material of Thermal Insulation

		Metallic Pipe					Non-Metallic Pipe		
Insulation Thickness	Pipe Diameter	Min. Ambient Temp.			Insulation Thickness	Pipe Diameter	Min. Ambient Temp.		
		0°C (32°F)	-30°C (-22°F)	-40°C (-40°F)			0°C (32°F)	-30°C (-22°F)	-40°C (-40°F)
1/2"	1/2"				1/2"	1/2"			
	3/4"	3/5RPH				3/4"	3/5RPH	2of3/5RPH	
	1"					1"			
	1-1/2"		2of3/5RPH			1-1/2"			
	2"					2"		2of3/5RPH	
	2-1/2"					2-1/2"			and/or
	3"		2of3/5RPH			3"			thicker insulation
	4"					4"			
1"	1/2"				1"	1/2"			
	3/4"	3/5RPH				3/4"	3/5RPH		
	1"					1"			
	1-1/2"					1-1/2"			
	2"		2of3/5RPH			2"		2of3/5RPH	
	2-1/2"		2of3/5RPH			2-1/2"			
	3"					3"		3of3/5RPH	
	4"					4"			and/or
1-1/2"	1/2"				1-1/2"	1/2"			
	3/4"	3/5RPH				3/4"	3/5RPH		
	1"					1"			
	1-1/2"					1-1/2"			
	2"					2"		2of3/5RPH	
	2-1/2"					2-1/2"		2of3/5RPH	
	3"		2of3/5RPH			3"			
	4"					4"			
2"	1/2"				2"	1/2"			
	3/4"	3/5RPH				3/4"	3/5RPH		
	1"					1"			
	1-1/2"					1-1/2"			
	2"					2"			
	2-1/2"					2-1/2"		2of3/5RPH	
	3"		2of3/5RPH			3"			
	4"					4"			
2"	1/2"				2"	1/2"			
	3/4"	3/5RPH				3/4"	3/5RPH		
	1"					1"			
	1-1/2"					1-1/2"			
	2"					2"			
	2-1/2"					2-1/2"			
	3"		2of3/5RPH			3"		2of3/5RPH	
	4"					4"			
2"	1/2"				2"	1/2"			
	3/4"	3/5RPH				3/4"	3/5RPH		
	1"					1"			
	1-1/2"					1-1/2"			
	2"					2"			
	2-1/2"					2-1/2"			
	3"		2of3/5RPH			3"		2of3/5RPH	
	4"					4"			

- Heat loss is based on 40°F maintenance temperature and fiberglass insulation k=0.25 at 50°F.
- For non-metallic pipe heat losses, use aluminum tape to improve heat transfer.
- Qualified experts should be responsible for determining the insulation thickness for the larger pipe sizes.

*Technical information subject to change without notification.