

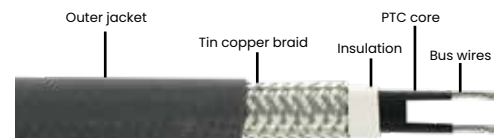
REM (HTM) – 8 mm BULK

8 mm REM Self Regulating Heating Cable




REM cables are ideal for freeze protection & process temperature maintenance on pipe, tanks and valves for residential and commercial applications. These cables use the latest self-regulating technology adjusting heat output according to the ambient temperature, making them energy efficient and cost effective.

- Cable can be cut to desired length and overlapped without risk of overheating.
- Suitable for metal or plastic surfaces.
- Lower installation and maintenance cost than steam tracing.
- Tinned copper braid provides additional protection to the cable core.
- Flame retardant thermoplastic outer jacket option, protects against certain chemical solution, abrasion and impact damage.

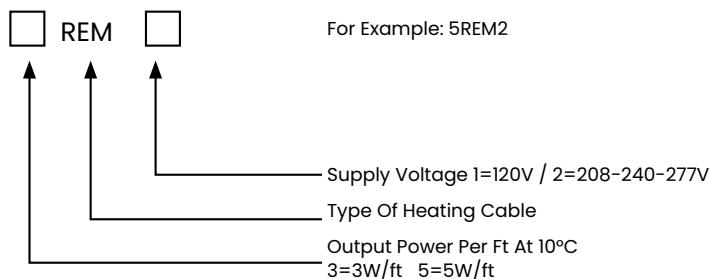


MUST HAVE ACCESSORY

	Clip-on kit	2 ft. 18 AWG Cold lead extension with 120 volts plug, ready to install, comes with a gel end seal. Fits 3 & 5 watts/ft cable with maximum length of 75 feet. Max. pipe size: 2 in.
---	-------------	--

Product number

MODEL	WATTS	VOLTAGE
3REM1, 3REM2	3	120V/240V
5REM1, 5REM2	5	120V/240V



SPECIFICATION	
Jacket	Thermoplastic
Chemical Resistance	Aqueous Inorganic Solutions
Nominal Thickness (mm)	5.7
Nominal Width (mm)	8.3
Minimum Bending Radius (mm)	34
Weight (kg/100m)	7.5
Electrical Classification	Non-Hazardous
Service Voltage	120V / 240V (208, 277V)
Max. maintain or continuous exposure temperature (power on)	65°C (150°F)
Max. Intermittent Exposure	85°C (185°F)
Minimum Installation Temperature	-40°C (-40°F)
Protective Braid resistance	<18.2 Ω/km
Bus Wire Gauge	20 AWG
Approvals	ETL

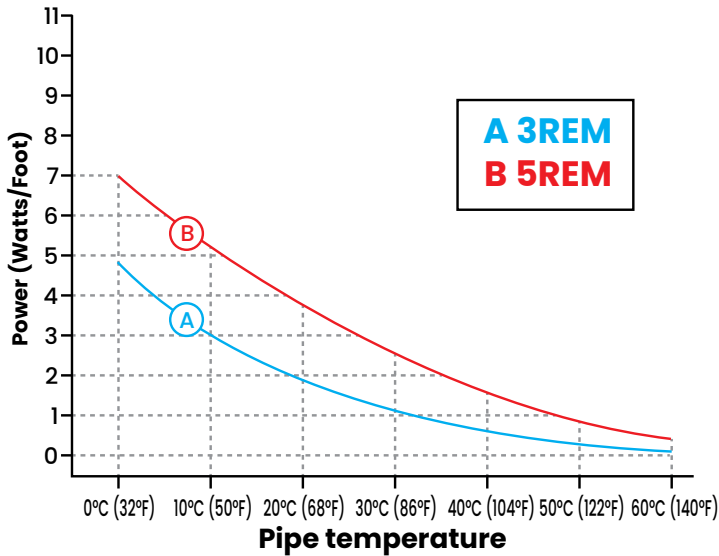


REM (HTM) – 8 mm BULK

8 mm REM Self Regulating Heating Cable

Power output curves

Nominal power output at 240V when REM is installed on insulated metal pipes



A 3REM
B 5REM

	Adjustment Factors			
	Power Output		Circuit Length	
	208V	277V	208V	277V
3REM	0.82	1.13	0.96	1.08
5REM	0.85	1.12	0.94	1.09

Maximum Length Based On Circuit Breaker Size

Minimum Start-up Temp.	CB Size	3REM		5REM	
	Amps	120V ft	240V ft	120V ft	240V ft
10°C (50°F)	10	160	320	107	214
	15	160	320	127	254
	20	160	320	133	266
0°C (32°F)	15	160	320	107	214
	20	160	320	127	251
	30	160	320	133	266
-10°C (14°F)	15	120	240	95	190
	20	130	260	105	210
	30	160	320	120	240
-18°C (0°F)	15	107	214	73	146
	20	120	240	93	186
	30	140	280	113	226
-29°C (-20°F)	15	88	176	60	120
	20	107	214	80	160
	30	133	266	107	214
-40°C (-40°F)	15	73	146	53	106
	20	93	186	67	134
	30	120	240	93	186

REM (HTM) – 8 mm BULK

8 mm REM Self Regulating Heating Cable



Cable length calculation and recommendation

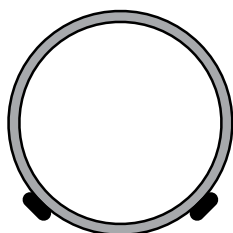
Based on the diameter and length of standard pipes, we recommend cable lengths according to the following table.

Pipe diameter	Pipe material	Pipe length										
		3'	5'	10'	15'	20'	30'	40'	50'	60'	70'	80'
0.5"	Metal	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
	Plastic	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
0.75"	Metal	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
	Plastic	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
1"	Metal	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
	Plastic	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
1.5"	Metal	3'	6'	12'	15'	24'	30'	40'	60'	60'	80'	80'
	Plastic	6'	12'	24'	30'	40'	60'	80'				
2"	Metal	6'	12'	24'	30'	40'	60'	80'				
	Plastic	6'	12'	24'	30'	40'	60'	80'				
3"	Metal	6'	12'	24'	30'	40'	60'	80'				
	Plastic	6'	12'	24'	30'	40'	60'	80'				

You can use the number in the above chart to multiply the length of your pipe to pick up the right products. For example, if your pipe is metal, the length is 20ft, the diameter of your pipe is 1" and the lowest ambient temperature is -20°F in your area, you will find the "1.3" based on the chart. You can use 20ft x 1.3 = 26ft. You can choose our 3011 SLIK preassemble heating cable (Pick the length which is close to the number which you calculated).

REM can be installed straight along the pipe for some small pipes. At lower temperatures, for longer pipes, the cable needs to be installed by spiral to ensure the pipe can get the adequate heat from the cable to avoid the freezing.

NOTE: For each valve or spigot on pipe an additional foot of the cable is needed. When the cable is longer than the pipe, spiral the excess cable around the pipe length evenly.



Important:

If the cable is longer than the pipe, it must be spiraled around it, evenly distributed. If twice the length, double trace the cable straight on the pipe in a 4 and 7 o'clock position. Apply a minimum insulation thickness of one (1) inch.