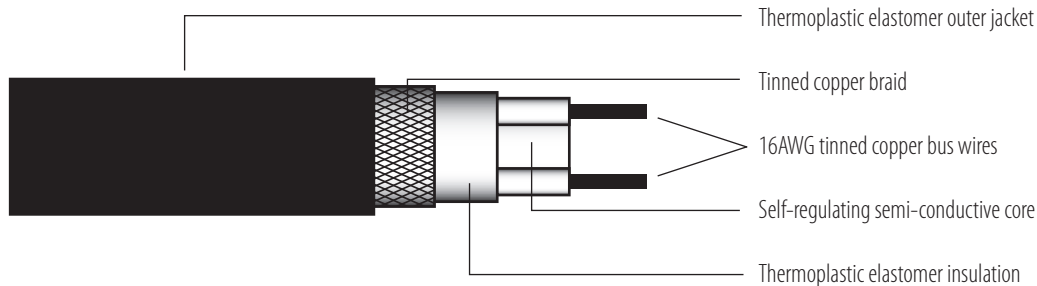


## Technical sheet



### Self-regulating Heating Cables

PTPR031/032P1R (3W/ft) – PTPR061/062P1R (6W/ft)



### Features

- Energy efficient; automatically varies its power output in response to pipe or ambient temperature changes, so a thermostat may not be necessary in some applications.
- Easy to install; can be cut to any length (up to max circuit length).
- No risk of overheating or burning out even overlapped.
- Suitable for use in wet and non-hazardous environment. The UV stabilized thermoplastic elastomer outer jacket is resistant to water and inorganic chemicals. It protects against UV rays (sun), abrasion and impact damage.

### Applications

The PTPR cable is a cULus listed self-regulating heating cable designed for a variety of applications:

- Plastic or metal pipe freeze protection and flow maintenance of pipes, tanks and valves.
- Roof and gutter de-icing.

### Dimensions and weight

Type	Dimension	Min. bending radius	Weight (kg/100 m)
PTPRXXXP1R	10.9 × 6.0 mm	36 mm	11.0

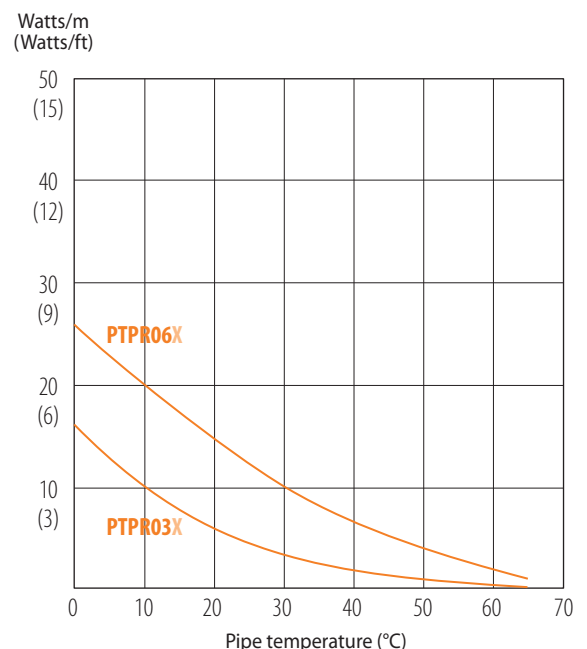
### Technical data

Service voltage	110-120V, 208-277V
Maximum maintain or continuous exposure temperature (power on)	+65 °C (149 °F)
Maximum intermittent exposure temperature, 1000 hours (power on or off)	+85 °C (185 °F)
Minimum installation temperature	-40 °C (-40 °F)
Protective braid resistance	< 18.2Ω/km
Bus wire gauge	16AWG

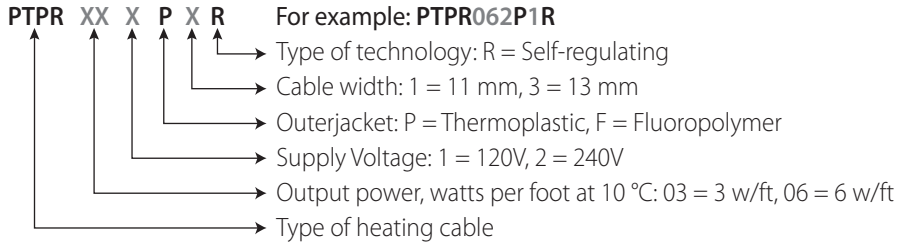


### Power output curves

Nominal power output at 240V when PTPRXXXP1R cable installed on insulated metal.



## Product ordering information



## Maximum length (ft) vs circuit breaker size

Minimum start-up temperature	Amps	PTPR031P1R PTPR032P1R (3W/ft)		PTPR061P1R PTPR062P1R (6W/ft)	
		120V ft	240V ft	120V ft	240V ft
10 °C (50 °F)	10	215	426	165	328
	15	285	580	215	449
	20	315	623	260	519
	30	315	623	265	528
0 °C (32 °F)	10	200	396	150	300
	15	265	544	200	419
	20	280	557	240	479
	30	290	580	260	521
-20 °C (-4 °F)	10	155	308	115	231
	15	220	456	175	365
	20	250	502	215	433
	30	275	548	225	455
-40 °C (-40 °F)	10	125	246	100	201
	15	190	390	150	314
	20	230	456	170	344
	30	230	460	177	355

## 240V PTPRXXX1R

208V-277V adjustment factor		
Voltage/Model	Power output	Circuit length
<b>208V</b>		
PTPR032P1R	0.82	0.96
PTPR062P1R	0.85	0.94
<b>277V</b>		
PTPR032P1R	1.13	1.08
PTPR062P1R	1.12	1.09

## Pr\*tecTHERM components

- Power connection kit (PT-PCK)
- End seal kit (PT-TESK)
- Power and end seal kit (PT-PC-TESK)
- Splice tee connection kit (PT-STK)