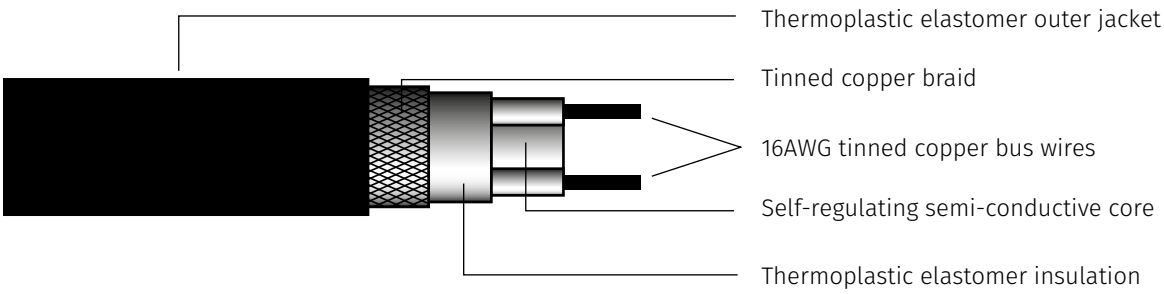
PTPR SELF-REGULATING HEATING CABLES

PTPR061/062P1R (6W/ft) | PTPR082P3R (8W/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 cETLus 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

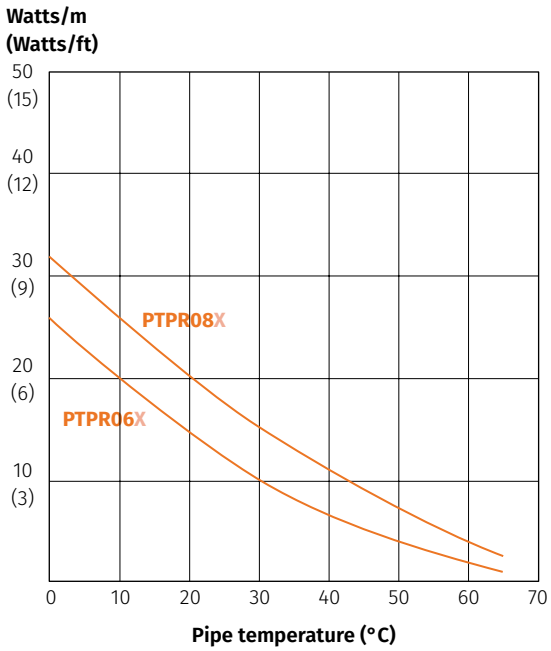
Type	Dimension	Min. bending radius	Weight (kg/100 m)
PTPRXXX**P1R**	10.9 × 6.0 mm	36 mm	11.0
PTPRXXX**P3R**	12.6 × 6.0 mm	36 mm	13.8

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

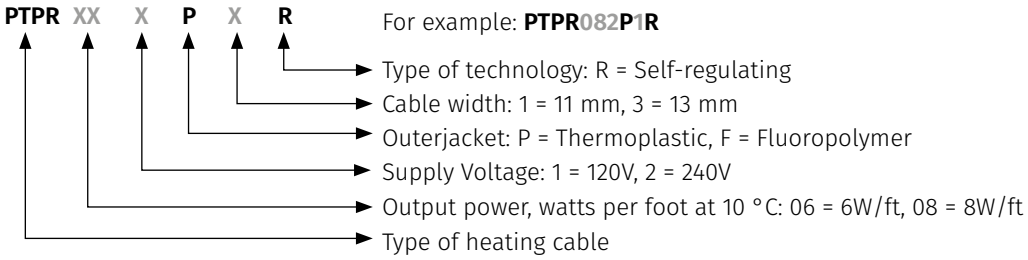
Nominal power output at 240V when **PTPR**XXX**P1R and PTPR**XXX**P3R** cables are installed on insulated metal pipe.



FC_PTPR_26/02/26_EN

1-844-STELPRO (783-5776) | elec.tech@stelpro.com
www.flextherm.com.

PRODUCT ORDERING INFORMATION



MAXIMUM LENGTH (FT) VS CIRCUIT BREAKER SIZE

Minimum start-up temperature	Amps	PTPR061P1R PTPR062P1R (6W/ft)		PTPR082P3R (8W/ft)
		120V ft	240V ft	240V ft
10 °C (50 °F)	10	165	328	246
	15	215	449	354
	20	260	519	406
	30	265	528	420
	40	-	-	420
0 °C (32 °F)	10	150	300	203
	15	200	419	291
	20	240	479	360
	30	260	521	360
	40	-	-	360
-20 °C (-4 °F)	10	115	231	108
	15	175	365	183
	20	215	433	229
	30	225	455	350
	40	-	-	350
-40 °C (-40 °F)	10	100	201	104
	15	150	314	164
	20	170	344	206
	30	177	355	275
	40	-	-	320

240V PTPRXXXPXR

208 V - 277 V: adjustment factor		
Voltage/ Model	Power out-put	Circuit length
208 V		
PTPR062P1R	0.85	0.94
PTPR082P3R	0.89	0.92
277 V		
PTPR062P1R	1.12	1.09
PTPR082P3R	1.08	1.11

CUT TO LENGTH SELF-REGULATING CABLES

Model	Description
PTPR061P1RPC	Self reg cable cut to length 6w/ft 120v
PTPR062P1RPC	Self reg cable cut to length 6w/ft 240v
PTPR082P3RPC	Self reg cable cut to length 8w/ft 240v

PROTECTHERM COMPONENTS

Model	Description
PT-ALUT	Aluminium tape, 100ft roll
PT-FGT	Fiberglass tape, 66ft roll+10 labels
PT-PCK	Power connection kit
PT-PCS-GF	Plug-in cord set 120v-15a gfep 30 ma
PT-PC-TESK	Power connection kit with end seal
PT-RC10	Roof clips, pkg 10 u.
PT-RC50	Roof clips, pkg 50 u.
PT-RGCH	Hanger bracket for downspout
PT-STK	Splice/tee kit
PT-TESK	Heat-shrinkable end seal