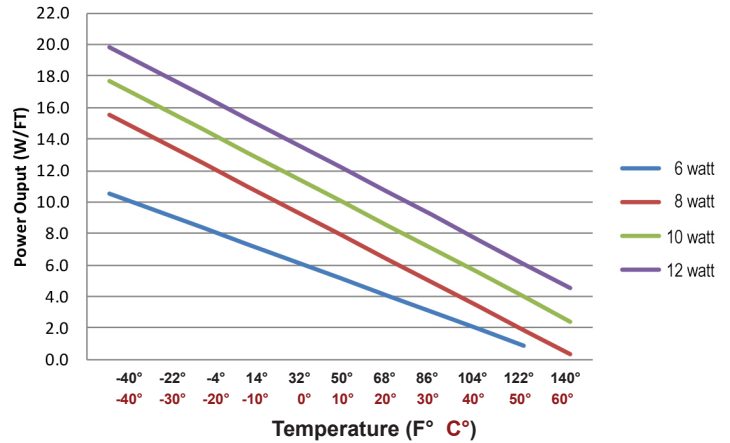


# PLSRR Heat Trace Cable Data Sheet

PLSRR self-regulating heat cable is the cable of choice for standard pipe trace applications. The cable features a flexible, UV-stabilized thermoplastic elastomer overjacket that protects the carbon core for wet applications and exposure to the sun. The parallel heating cable is designed for a variety of industrial applications and environments, including explosion-hazardous and nonhazardous areas, and can be used for plastic or metal pipe freeze protection and temperature maintenance. (Features a NON-PRORATED 10-year warranty.)

Technical Data for PLSRR Heat Cable	
Service voltage	110-120 V, 208-277 V
Maximum maintain or continuous exposure temperature (power on)	+149°F (65°C)
Maximum intermittent exposure temperature 1,000 hours (power on/off)	+185°F (85°C)
Minimum installation temp.	-40°F (-40°C)
Protective braid resistance	<18.2Ω/km
Bus wire gauge	16 AWG
Approvals	cULus; hazardous, CSA, ATEX, IECEx
Warranty	10 years (Not prorated)
Certifications	Class I, Div.2 Groups A, B, C, D Class II, Div.2 Groups E, F, G Class III

## Power Output Curves Watts per Foot vs. Temperature



## Maximum Length (feet) vs Circuit Breaker Size

Cable	Startup Temp.	120 V				240 V			
		15A	20A	30A	40A	15A	20A	30A	40A
PLSRR-6-1 and PLSRR-6-2	50°F (+10°C)	230	270	270	270	460	540	540	540
	32°F (0°C)	230	270	270	270	460	540	540	540
	14°F (-10°C)	180	210	270	270	360	420	540	540
	0°F (-18°C)	140	190	270	270	285	380	540	540
	-20°F (-29°C)	125	165	250	270	250	330	500	540
PLSRR-8-1 and PLSRR-8-2	50°F (+10°C)	150	200	210	210	300	400	420	420
	32°F (0°C)	150	200	210	210	300	400	420	420
	14°F (-10°C)	140	150	205	210	280	300	410	420
	0°F (-18°C)	100	130	200	210	200	265	400	420
	-20°F (-29°C)	85	115	175	210	175	235	350	420
PLSRR-10-1 and PLSRR-10-2	50°F (+10°C)	120	160	180	180	240	315	360	360
	32°F (0°C)	105	140	170	180	210	280	340	360
	14°F (-10°C)	95	125	165	180	190	250	330	360
	0°F (-18°C)	80	110	160	180	160	215	325	360
	-20°F (-29°C)	70	95	140	180	145	190	285	360
PLSRR-12-1 and PLSRR-12-2	50°F (+10°C)	80	140	150	150	160	270	310	310
	32°F (0°C)	75	130	145	150	150	260	290	310
	14°F (-10°C)	70	115	142	150	140	230	285	310
	0°F (-18°C)	60	80	140	150	120	160	280	310
	-20°F (-29°C)	50	65	110	150	105	140	225	310
	-40°F (-40°C)	45	60	90	140	90	125	190	280

\*Cut fee      \*Cut fee for non 250'/500'/1,000' rolls

## ORDERING INFORMATION

PLSRR- □ - □ - □ For example: PLSRR-8-2-CR

### Outer jacket

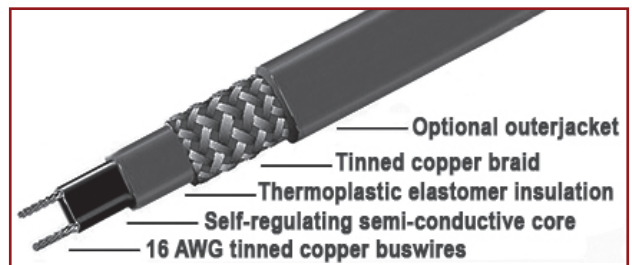
C=Tinned copper braid (no outer jacket)  
R=Thermoplastic  
T=Fluoropolymer

### Supply Voltage

1=110-120VAC; 2=208-277 VAC

### Output Power (at 40°F)

**Example:** PLSRR-8-2-CR =  
8 watt, 208-277 V, Thermoplastic outer jacket



Cutaway view of Warmzone PLSRR heat cable.

## PLSRR Dimensions and Bend Radius

Type	Dimensions	Minimum Bend Radius
PLSRR-C	11.0 x 4.4 mm	1-inch (26 mm)
PLSRR-CR	12.6 x 6.0 mm	1.4 inches (36 mm)
PLSRR-CT	12.0 x 5.4 mm	1.25 inches (32 mm)

Approvals:



# Pipe Trace

## Cable Accessories and Connections



Item Code and Description	Components	
<b>PLSR-PTBO</b> - Multiple entry power connection kit and junction box (hazardous locations)	Multiple entry octagon power connection kit with J-box; NEMA 4X	
<b>PLSR-JHE</b> - End seal kit (hazardous locations)	<b>A</b> Seal plate for main box <b>B</b> Main end seal box <b>C</b> Grommets <b>D</b> Label	
<b>PLSR-JHE-L</b> - Lighted end seal kit (hazardous locations)	<b>A</b> End seal stand and light assembly <b>B</b> Insulated and parallel crimps (2) <b>C</b> End seal label <b>D</b> Core sealer	
<b>PLSR-JHS</b> - Inline splice tee kit (hazardous locations)	<b>A</b> Main box <b>B</b> Pressure seal end <b>C</b> Grommets <b>D</b> Gaskets for main box <b>E</b> Cover for main box <b>F</b> Label	
<b>PLSR-JHT</b> - Tee splice (hazardous locations)	<b>A</b> Main box <b>B</b> Pressure seal end <b>C</b> Grommets <b>D</b> Gaskets for main box <b>E</b> Cover for main box <b>F</b> Label	
<b>PLSR10</b> - Splice / tee kit	<b>A</b> Clamp tie <b>B</b> Mastic strips (1½" long x 1" wide) <b>C</b> Heat-shrinkable tube (8" long x 1" diameter) <b>D</b> Heat-shrinkable tube (1" long x ⅛" diameter) <b>E</b> Heat-shrinkable tube (1" long x ½" diameter) <b>F</b> Uninsulated braid crimp <b>G</b> Heat-shrinkable tube for ground <b>H</b> Insulated bus wire crimps <b>I</b> Black cloth tape (6" long) <b>J</b> Heat-shrinkable cap <b>K</b> Cable ties	
<b>PLSR00</b> - Power connection kit with single end seal	<b>A</b> Black-shrinkable tube (2) (5½" long x ⅛" diameter) <b>B</b> Green-shrinkable tube (6" long x ¼" diameter) <b>C</b> Black-shrinkable tube (1" long x ½" diameter) <b>D</b> Seal fitting and grommet <b>E</b> Mounting bracket for piping <b>F</b> Gasket <b>G</b> Lock nut <b>H</b> Grommet <b>I</b> Wire nuts (3) <b>J</b> Labels (4)	
<b>PLSR03</b> - Fiberglass or aluminum tape	<b>A</b> Roll of tape <b>B</b> Ten (10) warning labels	

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