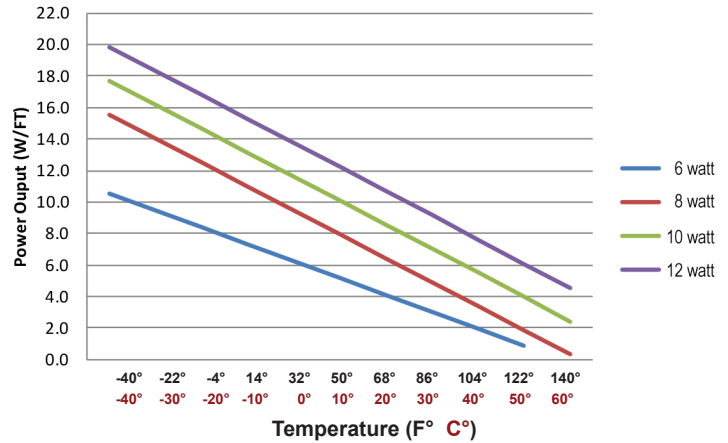


PLSRR Heat Trace Cable Data Sheet

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

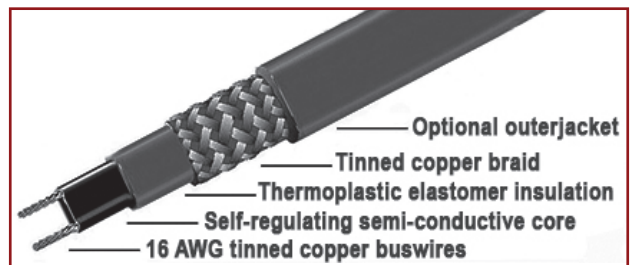
C=Tinned copper braid (no outer jacket)
R=Thermoplastic
T=Fluoropolymer

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	
PLSR-PTBO - Multiple entry power connection kit and junction box (hazardous locations)	Multiple entry octagon power connection kit with J-box; NEMA 4X	
PLSR-JHE - End seal kit (hazardous locations)	A Seal plate for main box B Main end seal box C Grommets D Label	
PLSR-JHE-L - Lighted end seal kit (hazardous locations)	A End seal stand and light assembly B Insulated and parallel crimps (2) C End seal label D Core sealer	
PLSR-JHS - Inline splice tee kit (hazardous locations)	A Main box B Pressure seal end C Grommets D Gaskets for main box E Cover for main box F Label	
PLSR-JHT - Tee splice (hazardous locations)	A Main box B Pressure seal end C Grommets D Gaskets for main box E Cover for main box F Label	
PLSR10 - Splice / tee kit	A Clamp tie B Mastix strips (1½" long x 1" wide) C Heat-shrinkable tube (8" long x 1" diameter) D Heat-shrinkable tube (1" long x ⅜" diameter) E Heat-shrinkable tube (1" long x ½" diameter) F Uninsulated braid crimp G Heat-shrinkable tube for ground H Insulated bus wire crimps I Black cloth tape (6" long) J Heat-shrinkable cap K Cable ties	
PLSR00 - Power connection kit with single end seal	A Black-shrinkable tube (2) (5½" long x ⅜" diameter) B Green-shrinkable tube (6" long x ¼" diameter) C Black-shrinkable tube (1" long x ½" diameter) D Seal fitting and grommet E Mounting bracket for piping F Gasket G Lock nut H Grommet I Wire nuts (3) J Labels (4)	
PLSR03 - Fiberglass or aluminum tape	A Roll of tape B Ten (10) warning labels	

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WARMZONE PIPE TRACE CABLE ORDERING INFORMATION

Pre-Terminated Self-Regulating Cable (Pipe, Roof and Gutter)

Item Code	Description	Length	Output @ 50°F	Voltage
PLSR-120-50	Pre-terminated self-regulating heat cable	50	6W/ft.	120
PLSRT-120-75	Pre-terminated self-regulating heat cable	75	6W/ft.	120
PLSRT-120-100	Pre-terminated self-regulating heat cable	100	6W/ft.	120
PLSRT-120-50 GF	Pre-terminated self-regulating heat cable with ground fault protection	50	6W/ft.	120
PLSRT-120-75 GF	Pre-terminated self-regulating heat cable with ground fault protection	75	6W/ft.	120
PLSRT-120-100 GF	Pre-terminated self-regulating heat cable with ground fault protection	100	6W/ft.	120

Self-Regulating Cable (Pipe, Roof and Gutter)

PLSR-120-6	Self-regulating heat cable	250'/500'/1000'	5W/ft.	120
PLSR-120-8	Self-regulating heat cable	250'/500'/1000'	8W/ft.	120
PLSR-120-10	Self-regulating heat cable	250'/500'/1000'	10W/ft.	120
PLSR-120-12	Self-regulating heat cable	250'/500'/1000'	12W/ft.	120
PLSR-240-6	Self-regulating heat cable	250'/500'/1000'	5W/ft.	208-277
PLSR-240-8	Self-regulating heat cable	250'/500'/1000'	8W/ft.	208-277
PLSR-240-10	Self-regulating heat cable	250'/500'/1000'	10W/ft.	208-277
PLSR-240-12	Self-regulating heat cable	250'/500'/1000'	12W/ft.	208-277
*Cut fee	*Cut fee for non 250'/500'/1000' rolls			

RHSR Cable Accessories and Controls

Item Code	Description
JSR00-Pipe	Power connection kit, includes end seal kit (JSR12)
JSR03-Aluminum	Aluminum application tape
JSR03-Fiberglass	Fiberglass application tape
JSR08	Plug-in cord set, 120 V GFCI, 125-foot maximum run length
JSR10	Splice / tee kit
JSR12	End seal kit
WS-115	Air sensing NEMA 4 outdoor thermostat 120/240 V
WS-115R	Surface sensing NEMA 4 outdoor thermostat
WS-8C	Aerial mounted snow switch with remote moisture sensor (30 amps; 120-277 V)

Class I Div 2

JSR-PTBO	Multiple entry octagon power connection kit with J-Box; hazardous locations, NEMA 4X
JSR-JHE	End seal kit; hazardous locations
JSR-JHS	Inline splice tee kit; hazardous locations
JSR-JHT	Tee splice; hazardous locations
JSR12L	End seal kit with light (can be used at beginning or end)
JSR-PP	Pipe trace power panel with GFEP (includes sensors)