

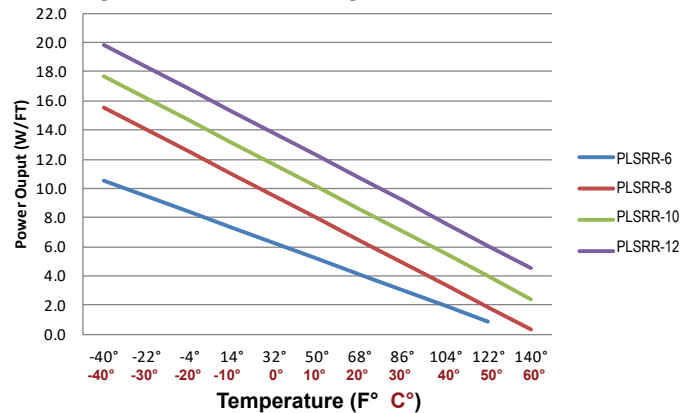
PLSRR Heat Trace Cable Data Sheet

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.

(PLSRR heat trace cable features a NON-PRORATED 10-year warranty.)

Technical Data for PLSRR Heat Cable	
Service voltage	110-120V, 220-277V
Maximum maintain or continuous exposure temperature (power on)	+149°F (65°C)
Maximum intermittent exposure temperature 1000 hours (power on/off)	+185°F (85°C)
Minimum installation temperature	-40°F (-40°C)
Protective braid resistance	<.006Ω/ft.
Bus wire gauge	16AWG
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

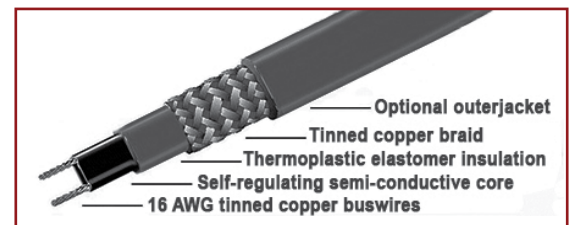


PLSRR Cable Dimensions

Type	Dimensions	Minimum Bend Radius
PLSR-CR	12.6 x 6.0mm	1.4 inches (36mm)

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
	-40°F (-40°C)	110	145	220	270	220	295	440	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	



Pipe Tracing

ORDERING INFORMATION

PLSRR-□-□-□ (PLSRR-8-2-CR)

Outer jacket
CR=Thermoplastic

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

Output Power (at 40°F)

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

Approvals:



Pipe Trace

Cable Accessories and Connections



Item Code and Description	Components	
PLSR-PTBO - Multiple entry power connection kit and junction box	Multiple entry octagon power connection kit with J-box; hazardous locations, 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 Mastic 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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