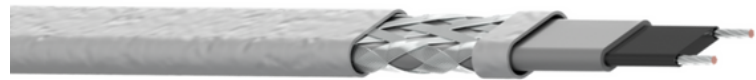


LXR® Heating Cables are designed for freeze protection and process temperature maintenance of metal and plastic pipes and tanks. The semiconductive polymer core changes its power output versus pipe temperature to optimize power usage and prevent overheating. The cables are designed for extended service life, are third-party tested and approved to strict industry standards for ordinary and hazardous area use. Cables are available from stock for same-day shipment.

## SPECIFICATIONS

- Self-Regulating Power Output
- Continuous Maintenance Temperature
  - 150°F (65°C) Max
- Intermittent Exposure Temperature
  - 185°F (85°C) Max
- Output Wattage
  - 3,5,8,10 W/FT @ 50°F
- Supply Voltage
  - 110-120
  - 208V-277Vac
- Temperature Classification\*:
  - 3,5,8 W/FT = T6
  - 10 W/FT = T5
- Size = 1/2" W x 1/4" H
- Braid Resistance:
  - Tinned Copper: 0.003 Ω/ft
  - Stainless Steel: 0.125 Ω/ft
- Minimum Bend Radius = 1 1/8"
- Minimum Install Temperature
  - -40°F (-40°C)
- Cut to Length and terminate in the field
- Can be overlapped without burnout



## CONSTRUCTION

- A. 16 AWG Nickel Coated Copper Buss Wires
- B. Irradiation Cross Linked Polymer Heater Core, Self Regulating
- C. Flame Retardant, UV Stabilized Polyolefin Jacket
- D. Tinned Copper or Stainless Steel Braid
- E. Optional Modified Polyolefin Outer Jacket
  - UV Stabilized
  - Flame Retardant
  - Protects Cable against aqueous inorganic chemicals

Optional Fluoropolymer Outer Jacket

- Protects against organic and corrosive



Ordinary Locations

Hazardous Locations

- Class I\*, Div 1, Groups B, C, D
- Class I, Div 2, Groups A, B, C, D
- Class II, III, Div 1\*, Groups E, F, G
- Class II/III, Div 2, Groups F, D
- Class I, Zone 1\*, Groups IIIB+H2
- Class 1, Zone 2, Groups IIC

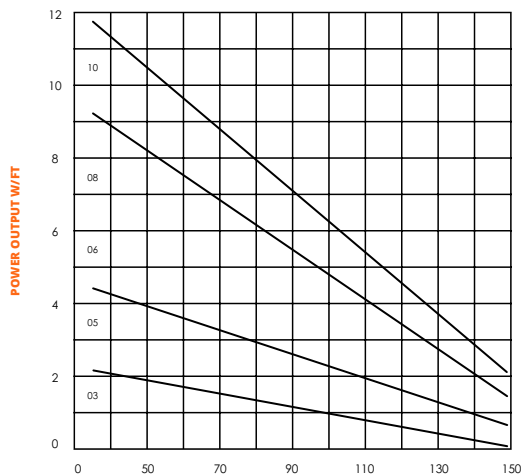
\*Please contact Classic Industrial Services Representative for Information on Division 1 Hazardous Systems.

\*Temperature Classification per the 1999 NEC, Tables 500-5(d) and verified by FM and CSA.

## Power Output Curves

Power Output Curves shown below apply to cables used at service voltages shown below on insulated metal pipes. For Plastic pipe installation derate cable power output by 35% and use aluminum tape installation method. For other applications contact Classic Industrial Services.

FIGURE 1-LXR



Power Adjustment Factor		
Model	208 Volts	277 Volts
LXR03-2	0.75	1.28
LXR05-2	0.86	1.16
LXR08-2	0.91	1.1
LXR10-2	0.93	1.08

## Circuit Breaker Sizing

Maximum Circuit Lengths per start up temperature and circuit breaker size are shown below. Use local electrical codes to select appropriate branch circuit breakers. Ground Fault circuit breakers are required for heat trace branch circuits – typical minimum trip level is 30mA. Thermal magnetic circuit breakers are recommended to reduce nuisance tripping.

Maximum Circuit Length vs Breaker Size & Start-Up Temp FT (M)						
Model	Start-Up Temperature		15 A	20 A	30 A	40 A
	Deg F	Deg C				
LXR03-1	50 (10)		300 (92)	330 (100)	330 (100)	330 (100)
	0 (-18)		200 (60)	270 (82)	330 (100)	330 (100)
	-20 (-29)		180 (55)	230 (70)	330 (100)	330 (100)
LXR03-2	50 (10)		660 (200)	660 (200)	660 (200)	660 (200)
	0 (-18)		410 (125)	560 (170)	660 (200)	660 (200)
	-20 (-29)		360 (110)	480 (146)	660 (200)	660 (200)
LXR05-1	50 (10)		230 (70)	270 (82)	270 (82)	270 (82)
	0 (-18)		150 (45)	200 (60)	270 (82)	270 (82)
	-20 (-29)		130 (40)	175 (54)	260 (80)	270 (82)
LXR05-2	50 (10)		460 (140)	540 (165)	540 (165)	540 (165)
	0 (-18)		300 (92)	400 (122)	540 (165)	540 (165)
	-20 (-29)		260 (80)	345 (105)	520 (160)	540 (165)
LXR08-1	50 (10)		150 (45)	200 (60)	210 (64)	210 (64)
	0 (-18)		95 (30)	125 (38)	190 (58)	210 (64)
	-20 (-29)		85 (26)	100 (31)	170 (52)	210 (64)
LXR08-2	50 (10)		295 (90)	390 (119)	420 (128)	420 (128)
	0 (-18)		195 (60)	250 (76)	375 (115)	420 (128)
	-20 (-29)		170 (52)	225 (69)	340 (104)	420 (128)
LXR10-1	50 (10)		115 (35)	150 (45)	180 (55)	180 (55)
	0 (-18)		70 (22)	95 (30)	145 (44)	180 (55)
	-20 (-29)		60 (18)	85 (26)	120 (37)	165 (50)
LXR10-2	50 (10)		230 (70)	305 (93)	360 (110)	360 (110)
	0 (-18)		150 (45)	200 (60)	300 (92)	360 (110)
	-20 (-29)		130 (40)	175 (54)	260 (80)	360 (110)

# LXR "LOW TEMP" SELF REGULATING CABLES



## Connection Accessories

All Cables require power connection and end seal terminations as a minimum to comply with third party requirements. Classic-HTS offers accessories to provide trouble free easy installation and maximum cable circuit life.

Ordering Information				
Output W/ft	Volts	Model	Stock	LBS/1000'
3 W/FT @ 50F	120	LXR03-11R00	S	80
		LXR03-11T00	S	80
	208-277	LXR03-21R00	S	80
		LXR03-21T00	S	80
5 W/FT @ 50F	120	LXR05-11R00	S	80
		LXR05-11T00	S	80
	208-277	LXR05-21R00	S	80
		LXR05-21T00	S	80
8 W/FT @ 50F	120	LXR08-11R00	S	80
		LXR08-11T00	S	80
	208-277	LXR08-21R00	S	80
		LXR08-21T00	S	80
10 W/FT @ 50 F	120	LXR10-11R00	S	80
		LXR10-11T00	S	80
	208-277	LXR10-21R00	S	80
		LXR10-21T00	S	80

Accessories - Ordinary Area / C1D2 Hazardous Area	
Description	HTS P/N
A-Series Power Connection Kit	ACSX-1
A-Series Power Tee/Splice Kit	ACSX-3
A-Series Lighted End Seal	AESL
A-Series End Seal (above)	AESX
Power Connection Kit w/4" J-Box	PCX-H4JB-1
Power Tee/Splice Kit w/ 6" J-Box	PTX-H6JB-3
Power Connection Kit	PCX-40J
End Seal Kit (below)	ESX-40
Splice/Tee Kit (below)	SPX-40
Application Tape - High Temp	HXFT-HT
Aluminum Foil Tape	HXAT-1
6 inch Pipe Strap	HXPS-6
10 Inch Pipe Strap	HXPS-10
Small Pipe Adaptor	SPA
Caution Label (10/Pkg)	HXCL-10
Thermostat - Ambient Ord Area	ASTX
Thermostat - Ambient Haz Area	ASTH
Thermostat - Line Ord Area	LSTX
Thermostat - Line Haz Area	LSTH
TM Single Point Controller	MS-2101
TM Dual Point Controller	MS-2102

(Example shown: 5watt, 120volt, Tinned Copper w/ Fluoropolymer Jacket)

