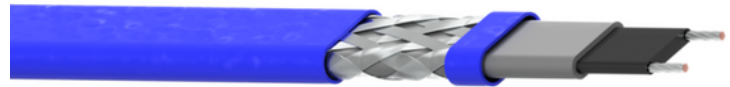


MXR® Heating Cables are designed for freeze protection and process temperature maintenance of metal pipes and tanks. The semiconductive polymer core changes its power output versus pipe temperature to optimize power usage and prevent overheating. The cables are designed for extended service life, are 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
 - 250°F (120°C) Max
- Maximum Exposure Temperature
 - 366°F (185°C) Max
- Output Wattage
 - 5,10,15 W/FT @ 50°F
- Supply Voltage
 - 110-120 or 208V-277Vac
- Temperature Classification:
 - 5,10,15 W/FT = T3*
- Size = 9/16" W x 1/4" H
- Minimum Bend Radius = 1 1/8"
- Braid Resistance:
 - Tinned Copper: 0.003Ω/ft
 - Stainless Steel: 0.125Ω/ft
- 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, optional Monitor Wires
- B. Modified Fluoropolymer conductive core, self regulating
- C. Modified Fluoropolymer insulating jacket
- D. Tinned Copper or Stainless Steel Braid
- E. Modified Fluoropolymer Outer Jacket
 - Protects against organic, inorganic and corrosive chemicals



Ordinary Locations

Hazardous Locations

- Class I, Div 1*/2, Groups B, C, D
- Class II, Div 2, Groups F, G
- Class III, Div 2



Ordinary Locations STD-130-03-G,-W,-S

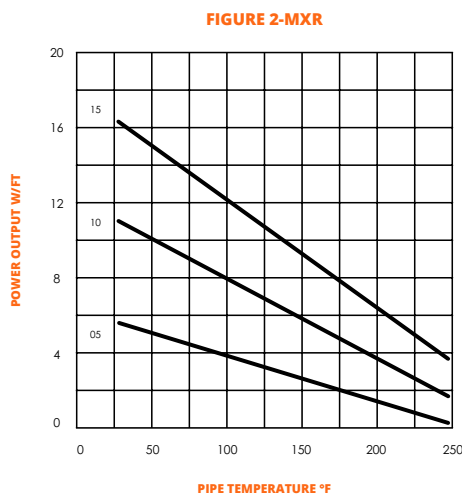
Hazardous Locations

- Class I, Div 1*/2, Groups A, B, C, D
- Class II, Div 2, Groups E, F, G
- Class III, Div 1* and 2

*T-Rating 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 other applications contact Classic Industrial Services.



Power Adjustment Factor		
Model	208 Volts	277 Volts
MXR05-2	0.78	1.25
MXR10-2	0.86	1.16
MXR15-2	0.92	1.09

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 Deg F Deg C	15 A	20 A	30 A	40 A
MXR05-1	50 (10)	150 (45)	200 (60)	240 (73)	240 (73)
	0 (-18)	135 (41)	180 (55)	220 (67)	220 (67)
	-40 (-40)	130 (40)	170 (52)	210 (64)	210 (64)
MXR05-2	50 (10)	250 (76)	330 (100)	480 (146)	480 (146)
	0 (-18)	230 (70)	305 (93)	440 (134)	440 (134)
	-40 (-40)	220 (67)	295 (90)	420 (128)	420 (128)
MXR10-1	50 (10)	90 (27)	120 (37)	180 (55)	180 (55)
	0 (-18)	85 (26)	110 (34)	165 (50)	165 (50)
	-40 (-40)	80 (24)	105 (32)	160 (49)	160 (49)
MXR10-2	50 (10)	140 (43)	190 (58)	280 (85)	280 (85)
	0 (-18)	130 (40)	175 (53)	260 (79)	260 (79)
	-40 (-40)	125 (38)	170 (52)	250 (76)	250 (76)
MXR15-1	50 (10)	70 (21)	90 (27)	130 (40)	130 (40)
	0 (-18)	65 (20)	85 (26)	125 (38)	125 (38)
	-40 (-40)	60 (18)	80 (24)	120 (37)	120 (37)
MXR15-2	50 (10)	100 (30)	135 (41)	200 (60)	200 (60)
	0 (-18)	95 (29)	125 (38)	185 (56)	185 (56)
	-40 (-40)	90 (27)	120 (37)	180 (55)	180 (55)

MXR “MEDIUM TEMP” SELF REGULATING CABLES



Connection Accessories

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

Ordering Information				
Output W/ft	Volts	Model	Stock	LBS/1000'
5 W/FT @ 50F	120	MXR05-11T00	S	80
	208-277	MXR05-21T00	S	80
10 W/FT @ 50F	120	MXR10-11T00	S	80
	208-277	MXR10-21T00	S	80
15 W/FT @ 50F	120	MXR15-11T00	S	80
	208-277	MXR15-21T00	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: 20watt, 120volt, Tinned Copper w/ Fluoropolymer Jacket)

