

## SRP

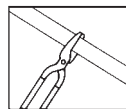
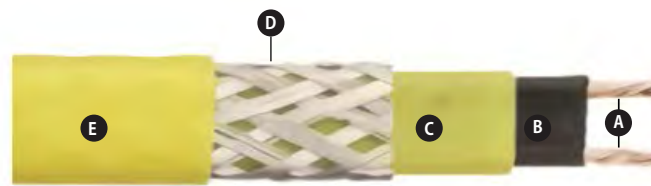
### Self-Regulating Medium Temperature

- Self-Regulating, Energy Efficient
- 16 AWG Buss Wire
- Circuit Lengths to 750 Ft.
- Process Temperature Maintenance to 230°F (110°C)
- Maximum Continuous Exposure Temperature, Power Off, 275°F (135°C)
- Available in 5, 10 and 15 W/Ft. per Foot
- 110 - 120 and 208 - 277 Volt
- Industrial Process Maintenance Applications
- Approximate Size 3/8"W x 1/8"H
- Min. Bend Radius 1-1/8"
- For use on Metallic Pipes Only

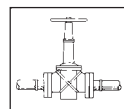
**WARNING**— A ground fault protection device is required by NEC to minimize the danger of fire if the heating cable is damaged of improperly installed. A minimum trip level of 30mA is recommended to minimize nuisance tripping.

#### Description

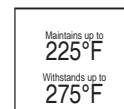
Korea EHT SRP self-regulating heating cable provides safe, reliable heat tracing for process maintenance applications to 225°F (110°C) or freeze protection of pipes / tank with high heat losses. Constructed of industrial grade 16 AWG buss wire with a tinned copper braid and optional overjacketing, SRP ensures operating integrity most hostile industrial environments.



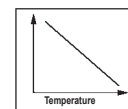
Cut to Length  
in Field



Can be Single  
Overlapped



Maintains up to  
225°F  
Withstands up to  
275°F  
Medium Tem-  
perature



Self Regulating  
Output

#### Features

- Energy efficient, self-regulating SRP uses less energy when less heat is required.
- Easy to install, SRP can be cut to any length (up to max circuit length) in the field.
- SRP features lower installed cost than steam tracing, less maintenance expense and less down time.
- SRP can be single overlapped without burnout, which simplifies heat tracing of in-line process equipment such as valves, elbows and pumps.
- Because SRP is self-regulating, overtemperature conditions are minimized.
- Korea EHT termination, splice, tee and end seal kits reduce installation time.

#### Construction

- A Twin 16 AWG Copper Buss Wires** — Provide reliable electrical current capability.
- B Semiconductive Polymer Core Matrix** — “Self-Regulating” component of the cable, its electrical resistance varies with temperature. As process temperature drops, the core's heat output increases; as process temperature rises, the heat output decreases.

- C Fluoropolymer Jacket** — Flame retardant, electrically insulates the matrix and buss wires and provides corrosion resistance.
- D Tinned Copper Braid** — Provides additional mechanical protection in any environment and a positive ground path.
- E High Temperature Fluoropolymer Overjacket** — Corrosion resistant, flame retardant overjacket is highly effective in many environments. Protects against exposure to organic or corrosive solutions. The overjacket also protects against impact damage.

#### Approvals

SRP-CT have ATEX / FM / IECEx / CSA / UL / DNV / KC certification for use in hazardous areas gas and dust.

- 5, 10 and 15 Watt Rated T4 Temperature Class

- Exe II Gb

- II 2G/D Exe IIC

- Exe II

# Heating Cable

## SRP

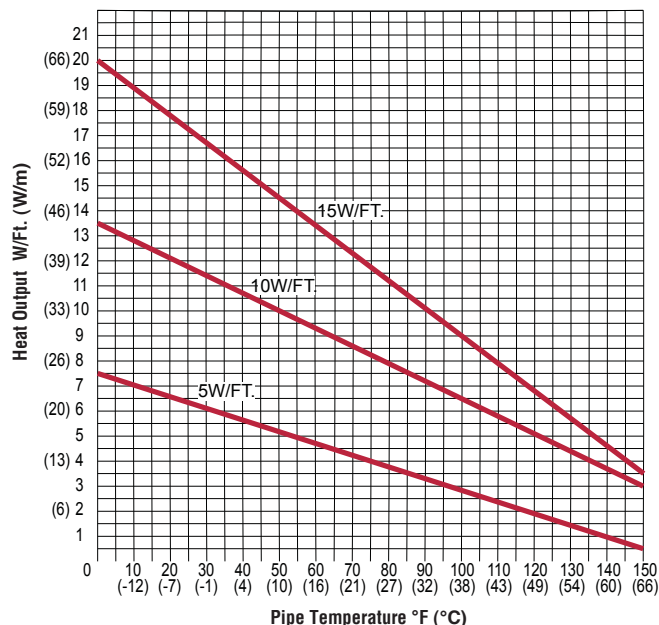
### Self-Regulating Medium Temperature (cont'd.)

#### Ordering Information

**To Order** — Complete the Model Number using the Matrix provided.

Model	Self-Regulating Medium Temperature			
SRP	Self-Regulating, Medium Temperature			
	Code	Output (W/Ft.)		
	5	Five		
	10	Ten		
	15	Fifteen		
		Code	Voltage	
		1	110 - 120	
		2	208 - 277	
			Code	Construc
			C	Tin-Plated copper metallic braid for additional protection and ground path
			CT	Fluoropolymer corrosion resistant overjacket over braid for hostile/corrosive environments
SRP	5	1	CT	Typical Model Number

#### Thermal Output Ratings on Insulated Metal Pipe<sup>1</sup>



**Note 1** - Thermal output is determined per IEEE 515-2004 Standard for testing design installation, and maintenance of electrical resistance heat tracing section 4.1.11 Method C.

#### Accessories

Accessories	Model
Power Connection	Heat trace to electrical service connection
Splice & Tee	Connects two or three cables together
End Seal	For terminating cable
Thermostat	Thermostat
<b>To Order</b> — General Application & Installation Accessories such as tape, pipe straps, warning labels, etc., refer to the general application accessories page at the end of this section.	

#### Output Wattage at Alternate Voltages (W/Ft.)

Model	208V	%Change In Output	220V	%Change In Output	240V	277V	%Change In Output
SRP 5	3.9	-20	4.3	-13	5	6.5	+15
SRP 10	8.3	-18	8.8	-10	10	12.5	+13
SRP 15	12.8	-14	13.5	-9	15	18.5	+12

#### Circuit Breaker Selection (Max. Circuit Lengths in Ft.)

Cable Rating	50°F (10°C) Start-Up (Ft.)					0°F (-18°C) Start-Up (Ft.)					-20°F (-29°C) Start-Up (Ft.)				
	15A	20A	30A	40A	50A	15A	20A	30A	40A	50A	15A	20A	30A	40A	50A
SRP5-1	145	195	295	390	490	110	145	215	295	360	70	90	135	180	225
SRP5-2	295	385	580	750	750	220	290	430	580	720	135	180	270	360	450
SRP10-1	100	135	200	270	330	70	95	145	190	240	65	85	130	175	215
SRP10-2	200	270	400	530	665	145	190	290	380	480	130	175	260	350	440
SRP15-1	75	100	150	200	250	60	80	120	160	200	55	70	110	145	180
SRP15-2	150	195	295	390	500	120	160	235	320	400	110	145	220	290	360
NR = Not Required. Maximum circuit length has been reached in a smaller breaker size.															