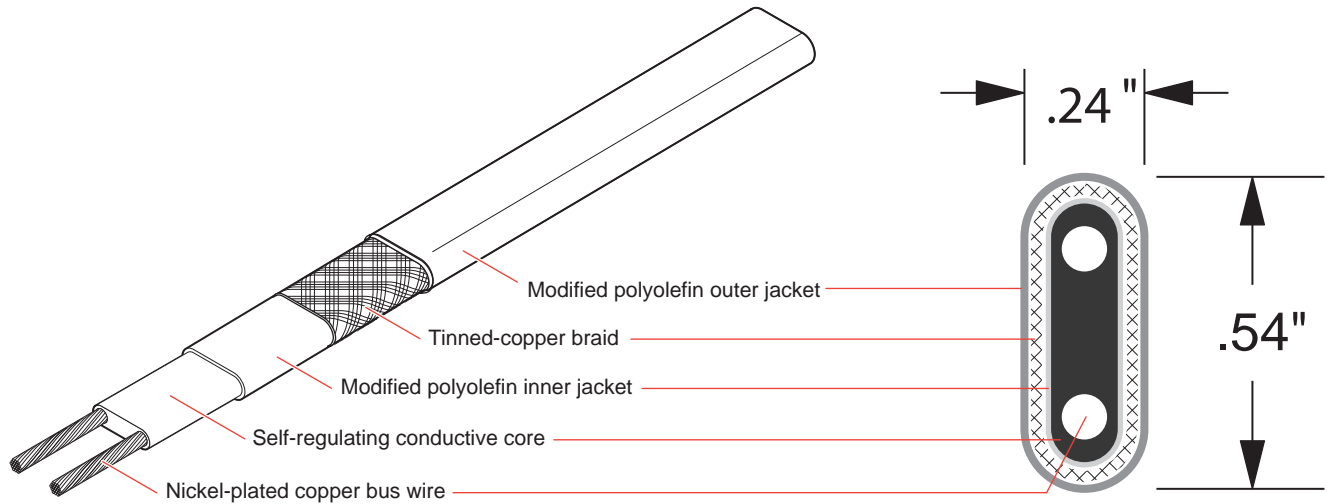




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S1 and S2 Self-regulating Heater Cable Specifications



S1 and S2 Self-regulating heating cable construction

Bus Wire	16 AWG, Nickel-plated Copper
Heating Core	Radiation Cross-linked Polyolefin
Primary dielectric insulation	Radiation Cross-linked Polyolefin
Metallic Braid	14 AWG (equivalent size) Tinned Copper
Outer Jacket	Polyolefin
Minimum Bend Radius	1-1/4"
Supply Voltage	120 or 208-277 Vac

S1 and S2 Self-regulating heating cable selection

Model Number	Operating Voltage	Power Output in Snow/Ice (nominal)	Maximum Circuit Length vs Breaker Size			
			20A CB		30A CB	
			@ 0°F	@ 20°F	@ 0°F	@ 20°F
S1	120 Vac	12 W/ft	100 ft	135 ft	155 ft	175 ft
S2	208 Vac	12 W/ft	190 ft	245 ft	290 ft	350 ft
S2	240 Vac	12 W/ft	200 ft	250 ft	295 ft	350 ft
S2	277 Vac	12 W/ft	205 ft	255 ft	310 ft	350 ft

Cables Meet or Exceed the Following Tests . . .

Abrasion Resistance	UL 1588 (8.3); IEEE 515.1 (4.3.4)
Cold Bend	IEEE 515.1 (4.2.10)
Deformation	IEEE 515.1 (4.2.8)
Dielectric Withstand	IEEE 515.1 (4.2.1)
Resistance to Impact	UL 1588 (8.2)
Resistance to Cutting	IEEE 515.1 (4.3.3)
Resistance to Crushing	UL 1588 (8.1)
Temperature	UL 1588 (9.1-9.3)
UV and Condensation	IEEE 515.1 (4.3.2)
Vertical Flame	UL 1588 (8.5)

Approvals

De-Icing and Snow-Melting Equipment Radiant Heating Cable	Certified S1 and S2 heating cables	With S1 and S2 heating cables
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Important: Ground fault protection is required for each branch circuit. Use only Summit Ice Melt Systems approved components with this heating cable.