

SPEEDTRACE ROOF & GUTTER DE-ICING KITS

Features & Benefits

- ▶ Durable, long lasting professional-grade self-regulating heating cable
- ▶ Suitable for residential, commercial, and industrial roofing applications
- ▶ Ideal for melting snow and de-icing roofs, gutters, and downspouts
- ▶ Easy-to-install: Pre-assembled with choice of 3-prong grounded plug (NEMA 5-15P) or bare wire leads
- ▶ Kit includes: SpeedTrace heating cable, downspout hanger brackets, roof clips, and UV resistant ties

Specifications

Supply Voltage: 110-120 VAC, 208-277 VAC

Nominal Wattage:

- 5 watts/ft (16 watts/m) at 50°F (10°C)
- 10 watts/ft (33 watts/m) at 32°F (0°C) in ice and snow

Minimum Exposure Temperature: -40°F (-40°C)

Maximum Exposure Temperature: 150°F (65°C)

Outer Jacket: Moisture and flame resistant Thermoplastic outer jacket

Bus Wires: 16 AWG

Power Cord:

- 110-120 VAC: 6 ft (1.8 m) power cord with 3-prong grounded plug (NEMA 5-15P)
- 208-277 VAC: 2.5 ft (0.76 m) power cord with bare wire leads



Complete kit includes everything you need!



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Installation Requirements

Suitable for

- Standard pitched roofs with or without gutters
- Standard roofing materials including shingle, shake, rubber, tar, wood, metal and plastic roofs
- Gutters & downspouts made from standard materials including metal and plastic

Not Suitable for

- Flat, slate, stone, ceramic, composite tar/gravel roofs

Electrical Requirements

- GFCI protected circuit, local code approved outlet (power source) within close proximity to the heating cable starting point, and protected from the weather



Measuring Heating Cable Length for Roof & Gutter De-icing

Use the equation below to calculate heating cable length:

Cable Required for Roof = (R x M) + G + D

(R) Roof Edge Length (linear length of roof to protect)

(M) Multiplier from table to the right

(G) Gutter Length

(D) Downspout Length (X2 if heating cable returns back to gutter)

Heating Cable Kit Length Required [Round up to the nearest kit size]

M = Length of cable per foot (meter) of roof edge

Roof Overhang [Eave/Soffit] in (mm)	Standard Roof [M] ft (m)	Standing Seam Roof 18 in (457 mm) Seam [M] ft (m)	Standing Seam Roof 24 in (610 mm) Seam [M] ft (m)
None	2.0 (0.61)	2.5 (0.76)	2.0 (0.61)
12 (305)	2.5 (0.85)	2.8 (0.85)	2.4 (0.73)
24 (610)	3.0 (0.91)	3.6 (1.10)	2.9 (0.88)
36 (914)	4.0 (1.21)	4.3 (1.31)	3.6 (1.10)

Ordering Information

Roof and Gutter Kits

Part No. 110 -120 VAC	Part No. 208 -277 VAC	Cable Length ft (m)	Roof Clips	Kit Includes			Caution Labels
				Downspout Hangers	Cable Ties		
FFRG15-50	FFRG25-50	50 (15.2)	30	2	15	2	
FFRG15-75	FFRG25-75	75 (22.8)	50	4	20	2	
FFRG15-100	FFRG25-100	100 (30.5)	60	4	25	2	
FFRG15-125	FFRG25-125	125 (38.1)	80	4	30	2	
FFRG15-150	FFRG25-150	150 (45.7)	100	6	40	2	



Additional items required, but not supplied: UV resistant RTV sealant, roofing nails or screws

Accessories

Part No.	Description
THERMO-CUBE	Thermostatically Controlled Outlet 120VAC
SLCBL-RDOWN1	Aluminum Downspout Hanger Bracket
SLCBL-RCLIP10	Aluminum Roof Clips (10 pack)
SLCBL-RCLIP50	Aluminum Roof Clips (50 pack)
SLCBL-RCLIPMAG10	Magnetic Roof Clips (10 pack) — Ideal for metal roofs

Thermo-Cube Thermostatically Controlled Outlet



Power-saving ambient temperature sensing outlet

- Turns on when air temperature drops below 35°F (2°C)
- Turns off when air temperature exceeds 45°F (7°C)
- Saves energy/money and extends the life of the heater
- Suitable for indoor/outdoor use
- Compatible with 120 VAC NEMA 5-15 outlet