

PRODUCT OVERVIEW



Chromalox® Thermwire Melt is specifically designed for roof and gutter deicing applications. It provides safe reliable deicing of roof eaves, gutters and downspouts in commercial and residential applications by preventing melting snow and ice from penetrating roof surfaces, refreezing, lifting shingles, pulling gutters away, and breaking gutters and downspouts. Power output is 6 w/ft @ 40°F (19.7 (w/m @ 4.4°C) and is equipped with a grounding braid for code compliance, and a UV stabilized polyolefin jacket to protect against sun damage and moisture ingress. Thermwire Melt cables are third party tested and approved for use in ordinary area locations for commercial and residential roof and gutter deicing applications.

DESCRIPTION

The heating cable consists of two (2) 16 AWG nickel-plated copper bus wires embedded in a self-regulating semiconductive polymeric core matrix that controls power output so that the cable can be used directly on plastic or metallic pipes. A water-resistant polyolefin jacket

electrically insulates the matrix and bus wires and provides resistance to water and some inorganic chemical solutions. A tinned copper braid covering serves added mechanical protection and positive ground path.

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

APPLICATION

Trace Surface Type Metal and Plastic
Chemical Resistance Exposure to aqueous solutions of inorganic compounds
Exposure to liquids, organic chemicals, acids, or bases

VOLTAGE SUPPLY

120 Vac
208 to 277 Vac (240 Vac nominal)

TEMPERATURE RATING

Maximum Maintenance Temperature..... 150°F (65°C)
Maximum Exposure Temperature, Power Off..... 185°F (85°C)
Minimum Installation Temperature..... -40°F (-40°C)

APPROVALS

 • Ordinary Areas
 • Ordinary Areas

THERMWIRE MELT

CABLE SELECTION BY PIPE LENGTH

Model	Ambient Temp. at Startup	Maximum Circuit Length in Feet (Meters) per Circuit Breaker					
		120 Vac			208 to 277 Vac*		
		15 A	20 A	30 A	15 A	20 A	30 A
TW6	40°F (4.4°C)	158 (48)	230 (70)	270 (82)	375 (114)	450 (137)	540 (165)
	0°F (-18°C)	135 (41)	180 (55)	270 (82)	270 (82)	360 (110)	540 (165)

*240 Vac nominal.

PRODUCT CHARACTERISTICS

Maximum Bend Radius, in. (mm)	1.125 in. (28.5)
Bus Wire Size	16 AWG
Heating Cable Dimensions WxH, in. (mm)	0.50 x 0.23 (12.7 x 5.8)

ORDERING INFORMATION

Model	Volts	Weight lbs (kg)	Package Size in (mm)	PCN
TW6-1CR-EZP*	120	11 (5)	12x12x4 305x304x102	386468
TW6-1CR-250	120	23 (10.5)	11x11x8 279x279x203	386476
TW6-1CR-500	120	46 (21)	14x14x12 356x356x305	393414
TW6-1CR-1000	120	92 (42)	18x18x14 457x457x356	393422
TW6-2CR-EZP*	208-277	11 (5)	12x12x4 305x304x102	386484
TW6-2CR-250	208-277	23 (10.5)	11x11x8 279x279x203	386492
TW6-2CR-500	208-277	46 (21)	14x14x12 356x356x305	393430
TW6-2CR-1000	208-277	92 (42)	18x18x14 457x457x356	393430

* Includes 100ft (30m) heating cable, (2) Power, (2) Splice, (2) End and (2) DS Hangers



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TECHNICAL SUPPORT
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*press 1 to be directed to heat trace support