

ClearZone Cable – Data Sheet

GENERAL PRODUCT INFORMATION

ClearZone snow melting heat cable is a trusted, industry leading cable that is popular in a wide variety of commercial and residential radiant snowmelt applications. The snow melting cable consists of a resistance-heating element insulated with ETFE with a high dielectric strength. A metallic sheath is provided to give additional mechanical strength and provide a ground path. A final outer jacket of Polyolefin is provided for corrosion protection and durability.

The convenient design, versatility and rugged construction of ClearZone electric radiant heat cable make it a favorite among homeowners and commercial construction professionals alike.

FEATURES INCLUDE:

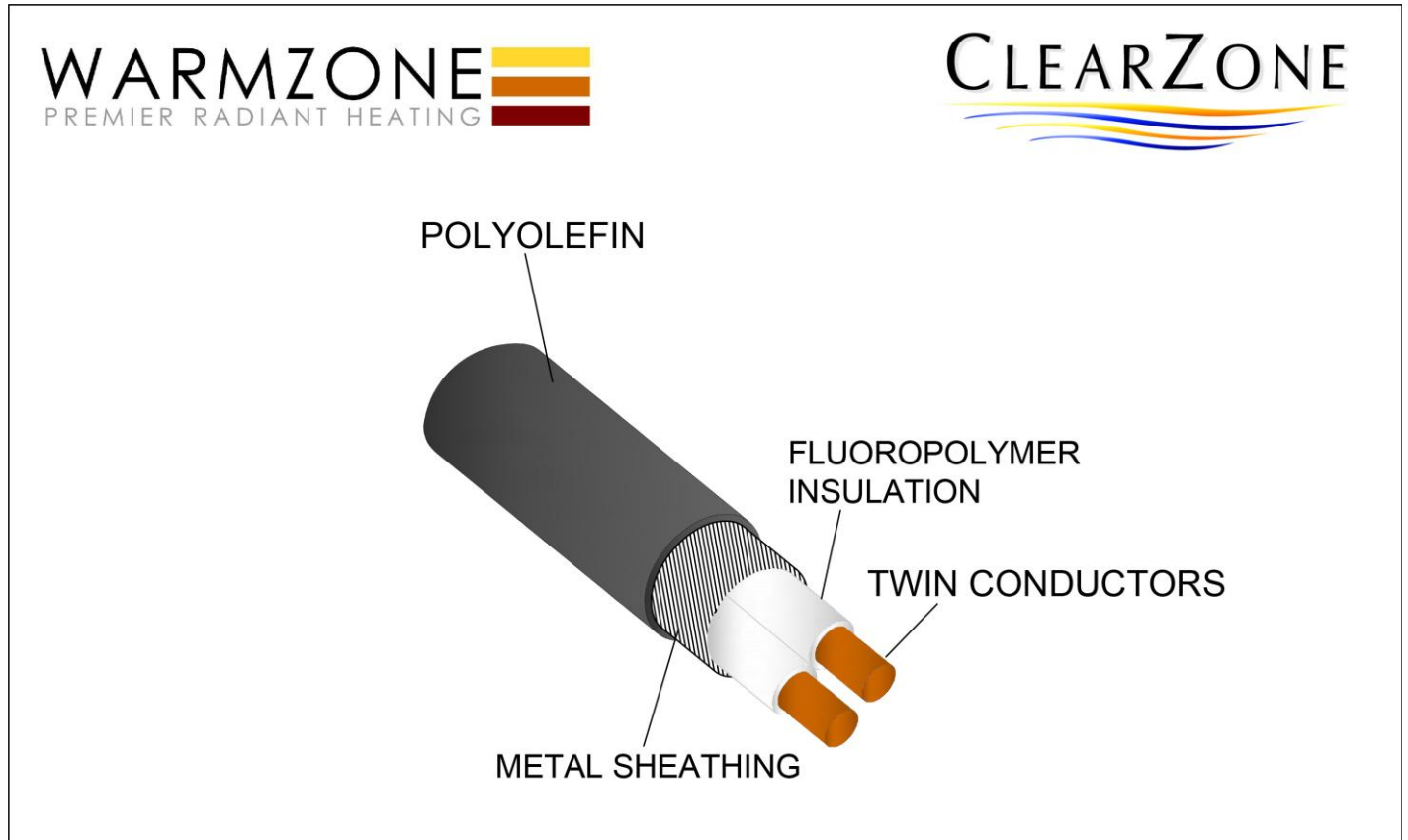
- Single point connection
- Twin conductor cable
- Flexible installation
- Durable construction
- Silent, efficient and safe
- Maintenance free
- For use in concrete, asphalt and under pavers
- Power leads are 16.4 feet in length
- CSA listed in U.S. and Canada
- 10-year limited warranty



SPECIFICATIONS

| | |
|--|--|
| Cable Construction: | Twin conductor |
| Rated Voltage: | 120-600 V (For 120, 208, 277, 600 V, please call.) |
| Output: | 12 W/ft. (40W/m), 24-70W/ft ² |
| Cold lead: | 16.4 feet (5.0 m). Longer cold leads available on request. |
| Bending Radius: | Minimum 2 inches (51 mm) |
| Cable Diameter: | ¼ inches (7 mm) |
| Conductor Insulation: | ETFE (ethylene tetrafluoroethylene copolymer) |
| Metal Sheath: | Copper |
| Outer Sheath: | Polyolefin |
| Max. External Jacket Asphalt Temperature:* | 220°F (105°C) *[460°F (240°C) for up to 10 minutes] |
| Max. External Jacket Temperature: | 158°F (70°C) |
| Max. Conductor Insulation Temperature: | 302°F (150°C) |
| Min. Installation Temperature: | 5°F (-15°C) |

ClearZone Heat Cable Construction



ORDERING INFORMATION

Snow Melting Cable

240 Volt (37 W and 50 W/Sq. ft.)

| Item Number 240 V Cable | Length (feet) | Heated Area (50 W/Sq. ft.) 3-inch spacing | Heated Area (37 W/Sq. ft.) 4-inch spacing | Watts | Amps | Ohms |
|----------------------------|------------------|---|---|-------|------|-------|
| SC237450 | 37 | 9 | 12 | 450 | 1.9 | 126.3 |
| SC262750 | 62 | 15 | 20 | 750 | 3.1 | 77.4 |
| SC2841000 | 84 | 20 | 27 | 1,000 | 4.2 | 57.1 |
| SC21682000 | 168 | 40 | 55 | 2,000 | 8.3 | 28.9 |
| SC22092500 | 209 | 50 | 70 | 2,500 | 10.4 | 23.1 |
| SC22933500 | 293 | 70 | 95 | 3,500 | 14.6 | 16.4 |
| SC23754500 | 375 | 90 | 125 | 4,500 | 18.8 | 12.8 |
| SC24585500 | 458 | 110 | 150 | 5,500 | 22.9 | 10.5 |

Special order snowmelt mats. Additional fulfillment time of 8-10 weeks required.

ORDERING INFORMATION

208 Volt

| Item Number 208 V Cable | Length (feet) | Heated Area (50 W/Sq. ft.) 3-inch spacing | Heated Area (37 W/Sq. ft.) 4-inch spacing | Watts | Amps | Ohms |
|----------------------------|------------------|---|---|-------|------|-------|
| SC825300 | 25 | 6 | 8 | 300 | 1.4 | 144.2 |
| SC843500 | 43 | 10 | 14 | 500 | 2.4 | 86.6 |
| SC8861000 | 86 | 20 | 29 | 1,000 | 4.8 | 43.3 |
| SC81271500 | 127 | 30 | 42 | 1,500 | 7.2 | 28.8 |
| SC81702000 | 170 | 40 | 57 | 2,000 | 9.6 | 21.6 |
| SC82132500 | 213 | 50 | 71 | 2,500 | 12.0 | 17.3 |
| SC82563000 | 256 | 60 | 85 | 3,000 | 14.4 | 14.4 |
| SC82993500 | 299 | 70 | 100 | 3,500 | 16.8 | 12.4 |
| SC83404000 | 340 | 80 | 113 | 4,000 | 19.2 | 10.8 |
| SC83834500 | 383 | 90 | 128 | 4,500 | 21.6 | 9.6 |
| SC84265000 | 426 | 100 | 142 | 5,000 | 24.0 | 8.7 |
| SC84695500 | 469 | 110 | 156 | 5,500 | 26.4 | 7.9 |
| SC85126000 | 512 | 120 | 171 | 6,000 | 28.8 | 7.2 |

277 Volt

| Item Number 277 V Cable | Length (feet) | Heated Area (50 W/Sq. ft.) 3-inch spacing | Heated Area (37 W/Sq. ft.) 4-inch spacing | Watts | Amps | Ohms |
|----------------------------|------------------|---|---|-------|------|-------|
| SC725300 | 25 | 6 | 8 | 300 | 1.1 | 255.8 |
| SC743500 | 43 | 10 | 14 | 500 | 1.8 | 153.5 |
| SC7861000 | 86 | 20 | 29 | 1,000 | 3.6 | 76.7 |
| SC71271500 | 127 | 30 | 42 | 1,500 | 5.4 | 51.2 |
| SC71702000 | 170 | 40 | 57 | 2,000 | 7.2 | 38.4 |
| SC72132500 | 213 | 50 | 71 | 2,500 | 9.0 | 30.7 |
| SC72563000 | 256 | 60 | 85 | 3,000 | 10.8 | 25.6 |
| SC72993500 | 299 | 70 | 100 | 3,500 | 12.6 | 21.9 |
| SC73404000 | 340 | 80 | 113 | 4,000 | 14.4 | 19.2 |
| SC73834500 | 383 | 90 | 128 | 4,500 | 16.2 | 17.1 |
| SC74265000 | 426 | 100 | 142 | 5,000 | 18.1 | 15.3 |
| SC74695500 | 469 | 110 | 156 | 5,500 | 19.9 | 14.0 |
| SC75126000 | 512 | 120 | 171 | 6,000 | 21.7 | 12.8 |

480 Volt

| Item Number 480 V Cable | Cable Length (feet) | Heated Area (50 W/Sq. ft.) 3-inch spacing | Heated Area (37 W/Sq. ft.) 4-inch spacing | Watts | Amps | Ohms |
|----------------------------|---------------------------|---|---|-------|------|-------|
| SC443500 | 43 | 10 | 14 | 500 | 1.0 | 460.8 |
| SC41271500 | 127 | 30 | 42 | 1,500 | 3.1 | 153.6 |
| SC41702000 | 170 | 40 | 57 | 2,000 | 4.2 | 115.2 |
| SC42563000 | 256 | 60 | 85 | 3,000 | 6.3 | 76.8 |
| SC43404000 | 340 | 80 | 113 | 4,000 | 8.3 | 57.6 |
| SC44265000 | 426 | 100 | 142 | 5,000 | 10.4 | 46.1 |
| SC44695500 | 469 | 110 | 156 | 5,500 | 11.5 | 41.9 |

ORDERING INFORMATION

Activation Devices – Markers

| Item | Item Number | Description | Voltage |
|---|-------------|---|----------|
|  | WS-2C | Aerial Mounted Snow Switch (30 amps) Moisture and temperature sensing | 120, 240 |
|  | WS-5C | Aerial Mounted Snow Switch (60 amps) Moisture and temperature sensing | 120, 240 |
|  | WS-8C | Aerial Mounted Snow Switch (30 amps) Moisture and temperature sensing Includes remote moisture sensor | 120, 240 |
|  | WS-AUX | Auxiliary Control Unit for Aerial Mounted Snow Switch | 120, 240 |
|  | WS-02 | Pavement Mounted Snow Switch and Controller Moisture and temperature sensing. | 120, 240 |
|  | Warmplate | Embedded Marker Plate (NEC Required.) | n/a |

ORDERING INFORMATION

Contactor Panels



| Description | Max Amps | Coil Voltage | Number of Contactors |
|---|----------|--------------|----------------------|
| Single Contactor Panel Used to control power supply and heating cables (120 - 600 V) | 50 | 120, 208-240 | 1 |
| Dual Contactor Panel. Used to control power supply and heating cables (120 - 600 V) | 100 | 120 | 2 |
| Quad Contactor Panel. Used to control power supply and heating cables (120 - 600 V) | 200 | 120 | 4 |
| Dual Contactor Panel with GFEP. Used to control power supply and heating cables (120 - 600 V) | 100 | 120 | 2 |
| Quad Contactor Panel with GFEP. Used to control power supply and heating cables (120 - 600 V) | 200 | 120 | 4 |
| Light Power management electrical box with 2 x 3 pole for zoning, includes moisture and temperature sensor (120 - 600 V) | 130 | 120 | 2 + 1 |
| Commercial Power management electrical box with 4 x 3 pole for zoning, includes moisture and temperature sensor (120 - 600 V) | 230 | 120 | 4 + 1 |

WARRANTY INFORMATION

ClearZone Cable: 10-year limited warranty.

Controls and activation devices: 2-year limited warranty.

ClearZone heat cable is CSA approved for both the U.S. and Canada.



TECHNICAL SUPPORT

For technical questions, please contact Warmzone at 1.888.488.WARM (9276) or via the web - www.warmzone.com.

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