

# CLEARZONE

## ClearZone Cable – Data Sheet

## GENERAL PRODUCT INFORMATION

ClearZone snow melting system combines the highest reliability with maximum energy efficiency. It's a proven technology that's safe, reliable and energy efficient.

### Features Include:

- Single point connection
- Twin conductor cable
- Flexible installation
- Durable construction
- Silent, efficient and safe
- For use in concrete, asphalt and under pavers
- 10-year limited warranty against manufacturing defects



### ClearZone – Snow Melting Cable

The convenient design, versatility and rugged construction of ClearZone electric radiant heating cables make them a favorite among homeowners and commercial construction professionals alike. The industry-leading heat cable is perfect for added flexibility in installations including custom shaped applications.

### ClearZone Cable Specifications

Cable Construction:	Twin conductor
Rated Voltage:	208, 240, 277, 347, 480, 600 V
Output:	12 W/ft (40 W/m)
Cold lead:	20 feet (6.0 m)
Bending Radius:	Minimum 1.5 inches (38 mm)
Cable Diameter:	¼ inches (6 mm)
Conductor Insulation:	Teflon™ FEP
Filler Sheath:	PEX
Outer Insulation:	PVC
Max. Temperature:	220°F (105°C)
Min. Installation Temperature:	40°F (5°C)

### WARRANTY INFORMATION

**ClearZone Cables:** 10-year limited warranty.

**Controls and activation devices:** 2-year limited warranty.

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## ORDERING INFORMATION

### 208 Volt

Item # 208 V Cable	Length (Feet)	Approximate Heat Coverage (sq. ft)		Watts (12 W/ ft.)	Amps	Ohms
		3" spacing	4" spacing			
CZ-208-35-1	35	10	10	420	2.0	104.0
CZ-208-50-1	50	10	15	600	2.9	71.7
CZ-208-70-1	70	15	25	840	4.0	52.0
CZ-208-85-1	85	20	30	1,020	4.9	42.4
CZ-208-105-1	105	25	35	1,260	6.1	34.1
CZ-208-125-1	125	30	45	1,500	7.2	28.9
CZ-208-145-1	145	35	50	1,740	8.4	24.8
CZ-208-160-1	160	40	55	1,920	9.2	22.6
CZ-208-180-1	180	45	60	2,160	10.4	20.0
CZ-208-210-1	210	50	70	2,520	12.1	17.2
CZ-208-245-1	245	60	85	2,940	14.1	14.8
CZ-208-280-1	280	65	95	3,360	16.2	12.8
CZ-208-320-1	320	75	110	3,840	18.5	11.2
CZ-208-355-1	355	85	120	4,260	20.5	10.1
CZ-208-410-1	410	100	140	4,920	23.7	8.8
CZ-208-460-1	460	110	160	5,520	26.5	7.8

### 240 Volt

Item # 240 V Cable	Length (Feet)	Approximate Heat Coverage (sq. ft)		Watts (12 W/ ft.)	Amps	Ohms
		3" spacing	4" spacing			
CZ-240-40-1	40	10	15	480	2.0	120.0
CZ-240-60-1	60	15	20	720	3.0	80.0
CZ-240-80-1	80	20	25	960	4.0	60.0
CZ-240-100-1	100	25	35	1,200	5.0	48.0
CZ-240-120-1	120	30	40	1,440	6.0	40.0
CZ-240-145-1	145	35	50	1,740	7.3	32.9
CZ-240-165-1	165	40	55	1,980	8.3	28.9
CZ-240-185-1	185	45	65	2,220	9.3	25.8
CZ-240-205-1	205	50	70	2,460	10.3	23.3
CZ-240-245-1	245	60	85	2,940	12.3	19.5
CZ-240-285-1	285	70	100	3,420	14.3	16.8
CZ-240-325-1	325	80	110	3,900	16.3	14.7
CZ-240-370-1	370	90	125	4,440	18.5	13.0
CZ-240-410-1	410	100	140	4,920	20.5	11.7
CZ-240-475-1	475	115	165	5,700	23.8	10.1
CZ-240-535-1	535	130	185	6,420	26.8	9.0

## ORDERING INFORMATION

### 277 Volt

Item # 277 V Cable	Length (Feet)	Approximate Heat Coverage (sq. ft)		Watts (12 W/ ft.)	Amps	Ohms
		3" spacing	4" spacing			
CZ-277-50-1	50	10	15	540	1.9	145.8
CZ-277-70-1	70	15	25	850	3.1	89.4
CZ-277-95-1	95	20	30	1,120	4.0	69.3
CZ-277-115-1	115	25	40	1,440	5.2	53.3
CZ-277-140-1	140	35	50	1,700	6.1	45.4
CZ-277-170-1	170	40	60	2,015	7.3	37.9
CZ-277-190-1	190	45	65	2,340	8.4	33.0
CZ-277-215-1	215	50	75	2,600	9.4	29.5
CZ-277-240-1	240	55	80	2,860	10.3	26.9
CZ-277-285-1	285	65	95	3,450	12.4	22.3
CZ-277-330-1	330	80	115	4,030	14.5	19.1
CZ-277-375-1	375	90	125	4,610	16.6	16.7
CZ-277-425-1	425	100	145	5,140	18.6	14.9
CZ-277-475-1	475	115	160	5,770	20.8	13.3
CZ-277-545-1	545	130	185	6,615	23.8	11.6

### 347 Volt

Item # 347 V Cable	Length (Feet)	Approximate Heat Coverage (sq. ft)		Watts (12 W/ ft.)	Amps	Ohms
		3" spacing	4" spacing			
CZ-347-60-1	60	15	20	720	2.1	165.2
CZ-347-90-1	90	20	30	1,070	3.1	111.9
CZ-347-115-1	115	30	40	1,425	4.1	84.6
CZ-347-145-1	145	35	50	1,780	5.1	68.0
CZ-347-175-1	175	45	60	2,135	6.2	56.0
CZ-347-210-1	210	50	70	2,560	7.4	46.9
CZ-347-240-1	240	60	80	2,915	8.4	41.3
CZ-347-300-1	300	75	100	3,620	10.4	33.4
CZ-347-355-1	355	90	115	4,330	12.5	27.8
CZ-347-415-1	415	105	135	5,035	14.5	23.9
CZ-347-470-1	470	120	155	5,745	16.6	20.9
CZ-347-530-1	530	135	175	6,470	18.6	18.7
CZ-347-595-1	595	150	195	7,235	20.9	16.6
CZ-347-680-1	680	170	225	8,295	23.9	14.5

## ORDERING INFORMATION



### 480 Volt

Item # 240 V Cable	Length (Feet)	Approximate Heat Coverage (sq. ft)		Watts (12 W/ ft.)	Amps	Ohms
		3" spacing	4" spacing			
CZ-480-80-1	80	20	25	995	2.1	228.6
CZ-480-200-1	200	50	70	2,460	5.1	94.1
CZ-480-330-1	330	85	110	4,030	8.4	57.1
CZ-480-490-1	490	125	160	5,990	12.5	38.4
CZ-480-735-1	735	185	240	8,950	18.6	25.8
CZ-480-820-1	820	205	270	10,010	20.9	23.0
CZ-480-940-1	940	235	310	11,475	23.9	20.1

### 600 Volt

Item # 600 V Cable	Length (Feet)	Approximate Heat Coverage (sq. ft)		Watts (12 W/ ft.)	Amps	Ohms
		3" spacing	4" spacing			
CZ-600-100-1	100	25	35	1,240	2.1	285.7
CZ-600-150-1	150	40	50	1,855	3.1	193.5
CZ-600-250-1	250	65	85	3,080	5.1	117.6
CZ-600-300-1	300	75	100	3,690	6.2	96.8
CZ-600-360-1	360	90	120	4,425	7.4	81.1
CZ-600-415-1	415	105	135	5,040	8.4	71.4
CZ-600-465-1	465	115	155	5,650	9.4	63.8
CZ-600-515-1	515	130	170	6,265	10.4	57.7
CZ-600-615-1	615	155	205	7,485	12.5	48.0
CZ-600-715-1	715	175	235	8,705	14.5	41.4

### WARRANTY INFORMATION




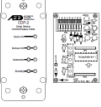



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ORDERING INFORMATION

Activation Devices – Markers

	Item #	Description	Voltage
	WZ-2	Aerial Mounted Snow Switch (30 amps) Moisture and temperature sensing	120, 240
	WZ-5	Aerial Mounted Snow Switch (60 amps) Moisture and temperature sensing	120, 240
	WZ-8	Aerial Mounted Snow Switch (30 amps) Moisture and temperature sensing Includes remote moisture sensor	120, 240
	WZ-AUX	Auxiliary Control Unit for Aerial Mounted Snow Switch	120, 240
	WZ-02	Pavement Mounted Snow Switch and Controller Moisture and temperature sensing.	120, 240
	WZ-850	Pavement Mounted Dual Zone Automatic Control Panel Moisture and temperature sensing.	208-600
	Warmplate	Embedded Marker Plate (NEC Req'd.)	n/a

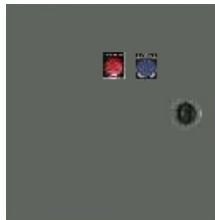
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**ORDERING INFORMATION**  
Timer/Contactor Panels



Description	Max Amps	Coil Voltage	Number of Contactors
Single Contactor Panel Used to control power supply and heating cables (120 - 600 V)	40	120, 208-240	1
Single Contactor Panel Used to control power supply and heating cables. (120 - 600 V)	60	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
Dual Contactor Timer Panel with 4 hour timer, Used to control power supply and heating cables (120 - 600 V)	100	120	2
Quad Contactor Timer Panel with 4 hour timer, Used to control power supply and heating cables (120 - 600 V)	200	120	4
Dual Contactor Timer Panel with 4 hour timer and GFEP, Used to control power supply and heating cables (120 - 600 V)	100	120	2
Quad Contactor Timer Panel with 4 hour timer and GFEP, Used to control power supply and heating cables (120 - 600 V)	200	120	4

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