

Data Sheet

GX Cable Electric Snow Melting

General Information



Installing a Danfoss GX Snow Melting System provides a permanent solution to the problems caused by cold weather. Improve safety by providing instantaneous relief from snow and ice and increase your bottom line by reducing the costs associated with applying chemicals, owning snow clearing machinery or hiring outside services.

- Twin conductor cable
- Single point connection
- Easy and flexible installation
- Durable construction
- Silent, efficient and safe
- For use in concrete, asphalt and under pavers
- Zero EMF's (Electromagnetic fields)
- **Genuine twenty year non-prorated warranty**

Technical Data

Cable Construction:	Twin conductor
Rated Voltage:	208V, 240V, 277V, 480V, 600V
Output (Cables):	12W/ft. (40W/m)
Cold Lead:	20 feet (6.0 m)
Bending Radius:	Minimum 1.5 inches (38 mm)
Cable Diameter:	1/4 inches (6.5 mm)
Conductor Insulation:	Teflon™ FEP
Filler Sheath:	PEX
Outer Insulation:	PVC
Max. Temperature:	220°F (105°C)
Min. Installation Temp:	40°F (5°C)

See power lead label for NEC connection color code.

Ordering Information GX Cables - 208V

Power leads are 20 feet in length.
Standard cable spacing is 3 inches.
3" centers provide 50 w/sq ft.
4" centers provide 35 w/sq. ft.

Part No.	Length (feet)	Approximate Heat Coverage (sq.ft.)		Watts (12W/ft.)	Amps	Ohms
		3" spacing	4" spacing			
088L3123	85	20	30	1,020	4.9	42.4
088L3124	105	25	35	1,265	6.1	34.1
088L3125	125	30	45	1,500	7.2	28.9
088L3126	145	35	50	1,745	8.4	24.8
088L3127	160	40	55	1,915	9.2	22.6
088L3128	180	45	60	2,165	10.4	20.0
088L3129	210	50	70	2,515	12.1	17.2
088L3130	245	60	85	2,930	14.1	14.8
088L3132	320	75	110	3,850	18.5	11.2
088L3133	355	85	120	4,265	20.5	10.1
088L3134	410	100	140	4,930	23.7	8.8
088L3135	460	110	160	5,510	26.5	7.8



Ordering Information GX Cables - 240V

Power leads are 20 feet in length.

Standard cable spacing is 3 inches.

3" centers provide 50W/sq.ft.

4" centers provide 35W/sq.ft.

Watt output of the 240V cable is reduced by 25% when operated at 208V (approx. 9W/ft.)

Part No.	Length (feet)	Approximate Heat Coverage (sq.ft.)		Watts (12W/ft.)	Amps	Ohms
		3" spacing	4" spacing			
088L3100	40	10	15	480	2.0	120.0
088L3101	60	15	20	720	3.0	80.0
088L3102	80	20	25	960	4.0	60.0
088L3103	100	25	35	1,200	5.0	48.0
088L3104	120	30	40	1,440	6.0	40.0
088L3105	145	35	50	1,750	7.3	32.9
088L3106	165	40	55	1,990	8.3	28.9
088L3107	185	45	65	2,230	9.3	25.8
088L3108	205	50	70	2,470	10.3	23.3
088L3109	245	60	85	2,950	12.3	19.5
088L3110	285	70	100	3,430	14.3	16.8
088L3111	325	80	110	3,910	16.3	14.7
088L3112	370	90	125	4,440	18.5	13.0
088L3113	410	105	140	4,920	20.5	11.7
088L3114	475	120	165	5,710	23.8	10.1
088L3115	535	135	185	6,430	26.8	9.0

Ordering Information GX Cables - 277V

Power leads are 20 feet in length.

Standard cable spacing is 3 inches.

3" centers provide 50W/sq.ft.

4" centers provide 35W/sq.ft.

Watt output of the 277V cable is reduced by 25% when operated at 240V (approx. 9W/ft.)

Part No.	Length (feet)	Approximate Heat Coverage (sq.ft.)		Watts (12W/ft.)	Amps	Ohms
		3" spacing	4" spacing			
088L3065	170	40	60	2,020	7.3	38.5
088L3066	190	45	65	2,325	8.4	33.0
088L3067	215	50	75	2,600	9.4	29.5
088L3068	240	55	80	2,855	10.3	26.9
088L3069	285	65	95	3,435	12.4	22.3
088L3070	330	80	115	4,015	14.5	19.1
088L3071	375	90	125	4,600	16.6	16.7
088L3072	425	100	145	5,150	18.6	14.9
088L3073	475	115	160	5,760	20.8	13.3
088L3074	545	130	185	6,590	23.8	11.7

Ordering Information GX Cables - 480V

Power leads are 20 feet in length.

Standard cable spacing is 3 inches.

3" centers provide 50W/sq.ft.

4" centers provide 35W/sq.ft.

Part No.	Length (feet)	Approximate Heat Coverage (sq.ft.)		Watts (12W/ft.)	Amps	Ohms
		3" spacing	4" spacing			
088L3640	80	20	25	1010	2.1	232.0
088L3644	200	50	70	2,450	5.1	93.5
088L3646	330	85	110	4,030	8.4	57.1
088L3648	490	125	160	6,000	12.5	38.5
088L3650	735	185	240	8,930	18.6	25.7
088L3652	820	205	270	10,030	20.9	23.0
088L3654	940	235	310	11,475	23.9	20.1

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Ordering Information GX Cables - 600V

Power leads are 20 feet in length.

Standard cable spacing is 3 inches.

3" centers provide 50W/sq.ft.

4" centers provide 35W/sq.ft.

Watt output of the 600V cable is reduced by 35% when operated at 480V (approx. 7.5W/ft.)

Part No.	Length (feet)	Approximate Heat Coverage (sq.ft.)		Watts (12W/ft.)	Amps	Ohms
		3" spacing	4" spacing			
088L3621	150	40	50	1,860	3.1	194.1
088L3623	300	75	100	3,720	6.2	97.6
088L3624	360	90	120	4,440	7.4	81.4
088L3625	415	105	135	5,040	8.4	71.4
088L3627	515	130	170	6,240	10.4	57.5
088L3629	715	175	235	8,700	14.5	41.4

Controls

Part No.	Description	Voltage
088L3415	GX850M Dual Zone Controller*	120V
088L3412	GX850 Dual Zone Automatic Control Panel (ACP)*	120V
088L3044	DS-2C Snow Melt Controller (30A)	100-277V
088L3046	DS-5C Snow Melt Controller (60A - 2x30A)	100-277V

*Requires ground and/or roof sensors

*Control voltage 120V

Timer/Contactor Panels

Part No.	Description	Max. Amps	Coil Voltage	No. of Contactors
088L3450	Single Contactor, 3P, 600V	120	120	1
088L3451	Single Contactor, 3P, 600V	120	208-240	1
088L3440	GX Timer Panel with 4hr timer, 600V, 6 Pole	300	120	2
088L3442	GX Timer Panel with 4hr timer, 600V, 12 Pole	600	120	4
088L3444	Contactor panel with Timer & GFEP, 300A, 6 Pole	100	120	2
088L3446	Contactor panel with Timer & GFEP, 600A, 12 Pole	200	120	4

All contactors are complete with NEMA 1 enclosure

300A contactor/timer panels consist of two, 3P, 50A contactors

600A contactor/timer panels consist of four, 3P, 50A contactors

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Accessories

Part No.	Description
088L1053	Cable Strapping (15 ft./4.5m)
088L1054	Cable Strapping (75 ft./22.9m)
088L3051	Ground Sensors (Two per package, includes 50 ft./15m lead wire)
088L3052	Roof Sensor (includes 50 ft./15m lead wire)
088L3405	Nameplate (per NEC 426-13)
088L0010	GX Repair Kit (includes: crimp connectors, heat shrink tubes, repair wire)
088L3038	CDP-2 Remote Control and Display for Snow Sensors*
088L3039	CS-1 Remote Control/Monitor Pigtail for CDP-2
89999997	Extended Power Leads, factory spliced, 5 ft. increments**

Warranty

Genuine twenty year comprehensive extended warranty against defects in material, design, and workmanship.

Technical Services

For technical questions, please contact Danfoss Radiant/Comfort Radiant Heating at **1-888-448-0555**. More information on Danfoss Electric Heating products is available at www.DanfossRadiant.com.

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