

GX Cable Electric Snow Melting

General Information



Installing a Danfoss GX Snow Melting System provides a permanent solution to 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:	XLPE
Outer Insulation:	PVC
Max. Temperature:	221°F (105°C)
Min. Installation Temp:	41°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	90	25	30	1,040	5.0	41.6
088L3124	105	25	35	1,270	6.1	34.0
088L3125	125	30	40	1,545	7.4	28.0
088L3126	145	35	50	1,730	8.3	25.0
088L3127	160	40	55	1,970	9.5	22.0
088L3128	180	45	60	2,150	10.3	20.1
088L3129	215	55	70	2,570	12.4	16.8
088L3130	250	65	85	2,990	14.4	14.5
088L3132	320	80	105	3,860	18.6	11.2
088L3133	360	90	120	4,285	20.6	10.1
088L3134	410	105	135	4,950	23.8	8.7
088L3135	465	115	155	5,550	26.7	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	505	2.1	114.2
088L3101	60	15	20	750	3.1	76.7
088L3102	80	20	25	1,000	4.2	57.6
088L3103	100	25	35	1,240	5.2	46.4
088L3104	120	30	40	1,490	6.2	38.7
088L3105	145	35	50	1,775	7.4	32.5
088L3106	165	40	55	2,020	8.4	28.5
088L3107	185	45	60	2,270	9.5	25.4
088L3108	205	50	70	2,510	10.5	22.9
088L3109	250	60	85	2,940	12.3	19.6
088L3110	290	75	95	3,430	14.3	16.8
088L3111	330	85	110	3,920	16.3	14.7
088L3112	370	95	125	4,440	18.5	13.0
088L3113	415	105	140	4,950	20.6	11.6
088L3114	475	120	160	5,685	23.7	10.1
088L3115	535	135	180	6,420	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	45	55	2,015	7.3	38.1
088L3066	190	50	65	2,335	8.4	32.8
088L3067	215	55	70	2,595	9.4	29.5
088L3068	240	60	80	2,860	10.3	26.8
088L3069	285	70	95	3,440	12.4	22.3
088L3070	330	85	110	4,020	14.5	19.1
088L3071	380	95	125	4,540	16.4	16.9
088L3072	425	105	140	5,150	18.6	14.9
088L3073	480	120	160	5,700	20.6	13.5
088L3074	545	135	180	6,600	23.8	11.6

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	228.4
088L3644	205	50	70	2,430	5.1	94.8
088L3646	335	85	110	3,980	8.3	57.9
088L3648	495	125	165	5,940	12.4	38.8
088L3650	740	185	245	8,880	18.5	25.9
088L3652	825	205	275	9,960	20.8	23.1
088L3654	950	240	315	11,365	23.7	20.3

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	155	40	50	1,820	3.0	197.8
088L3623	305	75	100	3,650	6.1	98.6
088L3624	365	90	120	4,400	7.3	81.8
088L3625	415	105	140	5,020	8.4	71.7
088L3627	520	130	175	6,190	10.3	58.2
088L3629	720	180	240	8,630	14.4	41.7

Controls

Part No.	Description	Voltage
088L3415	GX 850 Dual Zone Automatic Control Panel	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

Timer/Contactor Panels

Part No.	Description	Max. Amps	Coil Voltage	No. of Con-tac-tors
088L3450	Single Contactor, 3P, 600V	40	120	1
088L3451	Single Contactor, 3P, 600V	40	208-240	1

All contactors are complete with NEMA 1 enclosure

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**

*CDP-2 installation requires use of CS-1 pigtail

*CDP-2 can be used with DS-2C and DS-5C controllers

**Allow 10-12 weeks delivery time

Warranty

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

Technical Services

For technical questions, please contact Danfoss Heating Division North America at **1-888-DANFOSS (326-3677)**. More information on Danfoss Electric Heating products is available at **www.LX.Danfoss.com**

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