

Data Sheet

LX Cable for Electric Floor Heating Applications

General Information



The Danfoss LX Electric Floor Heating Cable Systems combine the highest comfort levels with maximum energy efficiency. It's a proven technology that's safe, reliable and energy efficient.

- Single point connection
- Twin conductor cable
- Eliminates EMF's (Electromagnetic fields)
- Safety approved for wet locations
- The only cable to pass the rigorous IEEE impact test
- Flexible installation
- Durable construction
- Genuine twenty year non-prorated warranty

Technical Data

Typical Application:	Plywood Subfloor, Concrete Subfloor, Engineered Wood, Laminate, Tile Floor, Stone Floor
Cable Construction:	Twin conductor
Rated Voltage:	120V, 240V
Output:	3W/ft. (10W/m)
Heating Element Size:	40 ft. (12.2m) to 630 ft. (192m)
Cold Lead:	10 ft. (3.0 m)
Bending Radius:	Minimum 3/4 inch (19 mm)
Cable Diameter:	3/16 inch (4.8 mm)
Conductor Insulation:	Teflon™ FEP
Outer Insulation:	PVC
Max. Temperature:	212°F (100°C)
Min. Installation Temp:	50°F (10°C)

See power lead label for NEC connection color code.

Ordering Information LX Cables - 120V

- Cable strapping is supplied with product. Additional cable strapping can be ordered separately
- 2" centers provide 18/W sq.ft.
- 3" centers provide 12/W sq.ft.
- 4" centers provide 9/W sq.ft.
- Watt output of the 240V cable is reduced by 25% when operated at 208V (approximately 2W/ft.)
- Power leads are 10 feet in length
- Floor sensor conduit is not included (part #19809099)
- Contactor or Power Module is required for loads exceeding 15 amps on a single thermostat

Part No.	Length (feet)	Approximate Heat Coverage			Amps	Watts (3W/ft.)	Ohms	LX Strapping Included: feet (m)
		2" spacing	Standard 3" spacing	4" spacing				
088L3140	40	5	10	15	1.0	120	120.0	15 (4.6)
088L3141	60	10	15	20	1.5	180	80.0	15 (4.6)
088L3142	80	15	20	25	2.0	240	60.0	30 (9.1)
088L3143	120	20	30	40	3.0	360	40.0	30 (9.1)
088L3144	160	25	40	55	4.0	480	30.0	75 (22.9)
088L3145	200	35	50	65	5.0	600	24.0	75 (22.9)
088L3146	240	40	60	80	6.3	755	19.2	75 (22.9)
088L3147	280	45	70	95	7.2	865	16.7	75 (22.9)
088L3148	315	50	80	105	8.0	960	15.0	75 (22.9)

Ordering Information LX Cables - 240V

- Cable strapping is supplied with product. Additional cable strapping can be ordered separately
- 2" centers provide 18/W sq.ft.
- 3" centers provide 12/W sq.ft.
- 4" centers provide 9/W sq.ft.
- Watt output of the 240V cable is reduced by 25% when operated at 208V (approximately 2W/ft.)
- Power leads are 10 feet in length
- Floor sensor conduit is not included (part #19809099)
- Contactor or Power Module is required for loads exceeding 15 amps on a single thermostat

Part No.	Length (feet)	Approximate Heat Coverage			Amps	Watts (3W/ft.)	Ohms	LX Strapping Included: feet (m)
		2" spacing	Standard 3" spacing	4" spacing				
088L3080	80	15	20	25	1.0	240	235.1	30 (9.1)
088L3081	120	20	30	40	1.5	360	157.8	30 (9.1)
088L3082	160	25	40	55	2.0	480	120.0	75 (22.9)
088L3083	200	35	50	65	2.5	600	95.2	75 (22.9)
088L3084	240	40	60	80	3.0	720	79.5	75 (22.9)
088L3085	280	45	70	95	3.5	840	68.6	75 (22.9)
088L3086	320	55	80	105	4.0	960	59.7	75 (22.9)
088L3087	360	60	90	120	4.5	1,080	53.3	105 (32.0)
088L3088	400	65	100	135	5.0	1,200	48.0	105 (32.0)
088L3089	440	75	110	145	5.5	1,320	43.3	150 (45.7)
088L3090	480	80	120	160	6.0	1,440	39.9	150 (45.7)
088L3091	570	95	140	190	7.1	1,705	33.7	150 (45.7)
088L3092	630	105	160	210	8.0	1,920	30.1	150 (45.7)

Thermostats

Part No.	Description
088L5140	LX205T WIFI Touch Screen Thermostat (Programmable)
088L5136	LX205T Touch Thermostat (Programmable)
088L5130	LX Thermostat with Floor & Air Sensor (Programmable)
088L5137	LX205 Thermostat (Non-Programmable)

Note: All thermostats include a floor sensor with a 10 foot lead.

Accessories

Part No.	Description
088L0014	LX Repair Kit (includes crimp connectors, repair wire, heat shrink tubes)
088L0028	Little Buzzer - Continuity Alarm
088L0076	Reflect Insulation Plates (Box of 10 plates, approx. 50 sq.ft.)
088L0077	Reflect Insulation Plates (Box of 4 plates, approx. 20 sq.ft.)
088L1053	Cable Strapping (15ft./4.5m)
088L1054	Cable Strapping (75ft./22.9m)
088L3008	Replacement floor sensor for LX Thermostat Models 008L5130, 088L5132, 088L5133 only
ETF-110/99C	Replacement Thin Floor Sensor (10K Ω) for Thermostat
19809099	Sensor Conduit (8 feet)

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 **1-888-326-3677**. More information on Danfoss Electric Heating products is available at **www.LX.Danfoss.com**.

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