



**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 ten year non-prorated warranty

**Technical Data**

|                         |                                  |
|-------------------------|----------------------------------|
| 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**

The cable can be installed on top of plywood, concrete floor, cement board, insulation board, etc.

| Part No. | Length (feet) | Approximate Heat Coverage |                     |            | Amps | Watts (3W/ft.) | Ohms  |
|----------|---------------|---------------------------|---------------------|------------|------|----------------|-------|
|          |               | 2" spacing                | Standard 3" spacing | 4" spacing |      |                |       |
| 088L3140 | 40            | 5                         | 10                  | 15         | 1.0  | 120            | 120.0 |
| 088L3141 | 60            | 10                        | 15                  | 20         | 1.5  | 180            | 80.0  |
| 088L3142 | 80            | 15                        | 20                  | 25         | 2.0  | 240            | 60.0  |
| 088L3143 | 120           | 20                        | 30                  | 40         | 3.0  | 360            | 40.0  |
| 088L3144 | 160           | 25                        | 40                  | 55         | 4.0  | 480            | 30.0  |
| 088L3145 | 200           | 35                        | 50                  | 65         | 5.0  | 600            | 24.0  |
| 088L3146 | 240           | 40                        | 60                  | 80         | 6.3  | 750            | 19.2  |
| 088L3147 | 280           | 45                        | 70                  | 95         | 7.2  | 860            | 16.7  |
| 088L3148 | 315           | 50                        | 80                  | 105        | 8.0  | 960            | 15.0  |



## Ordering Information LX Cables - 240V

The cable can be installed on top of plywood, concrete floor, cement board, insulation board, etc.

| Part No. | Length (feet) | Approximate Heat Coverage |                     |            | Amps | Watts (3W/ft.) | Ohms  |
|----------|---------------|---------------------------|---------------------|------------|------|----------------|-------|
|          |               | 2" spacing                | Standard 3" spacing | 4" spacing |      |                |       |
| 088L3080 | 80            | 15                        | 20                  | 25         | 1.0  | 245            | 235.1 |
| 088L3081 | 120           | 20                        | 30                  | 40         | 1.5  | 365            | 157.8 |
| 088L3082 | 160           | 25                        | 40                  | 55         | 2.0  | 480            | 120.0 |
| 088L3083 | 200           | 35                        | 50                  | 65         | 2.5  | 605            | 95.2  |
| 088L3084 | 240           | 40                        | 60                  | 80         | 3.0  | 725            | 79.5  |
| 088L3085 | 280           | 45                        | 70                  | 95         | 3.5  | 840            | 68.6  |
| 088L3086 | 320           | 55                        | 80                  | 105        | 4.0  | 965            | 59.7  |
| 088L3087 | 360           | 60                        | 90                  | 120        | 4.5  | 1,080          | 53.3  |
| 088L3088 | 400           | 65                        | 100                 | 135        | 5.0  | 1,200          | 48.0  |
| 088L3089 | 440           | 75                        | 110                 | 145        | 5.5  | 1,330          | 43.3  |
| 088L3090 | 480           | 80                        | 120                 | 160        | 6.0  | 1,445          | 39.9  |
| 088L3091 | 570           | 95                        | 140                 | 190        | 7.1  | 1,710          | 33.7  |
| 088L3092 | 630           | 105                       | 160                 | 210        | 8.0  | 1,915          | 30.1  |

## Thermostats

| Part No. | Description  |
|----------|--|
| 088L5130 | LX Programmable Thermostat with Floor Sensor                               |
| 088L5132 | LX Programmable Thermostat with Air Sensor (and Floor Temperature Limiter) |
| 088L5133 | LX Non-Programmable Thermostat with Floor Sensor                           |

## Accessories

| Part No. | Description   |
|----------|---|
| 088L0014 | LX Repair Kit (includes crimp connectors, repair wire, heat shrink tubes) |
| 088L0028 | Little Buzzer - Continuity Alarm  |
| 088L0095 | Reflect Insulation Plates (Box of 10 plates, approx. 50 sq.ft.)           |
| 088L0096 | Reflect Insulation Plates (Box of 4 plates, approx. 20 sq.ft.)            |
| 088L1050 | Cable Strapping (15ft./4.5m)  |
| 088L1054 | Cable Strapping (75ft./22.9m)   |
| 088L3008 | Replacement Floor Sensor for LX Thermostat                                |
| 19809099 | Sensor Conduit (8 feet)   |

## Warranty

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

## Technical Services

For technical questions, please contact Danfoss Heating Division North America at **1-866-676-8062**. More information on Danfoss Electric Heating products is available at **www.LX.Danfoss.com**.

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