



General Information



Danfoss TX-SH (Storage Heating System) heating cables are energized to warm a thermal mass below the floor surface. Danfoss TX storage heating cables are the ideal way to take advantage of local on-peak and off-peak energy pricing. When the power system is in off-peak times, energy rates are lower. When on-peak times resume, the Danfoss TX system shuts off and the heat stored in the floor gently emanates across the floor surface for hours. The Danfoss TX Storage Heating System provides an energy efficient and cost effective method of heating, in a clean and silent manner.

- Twin conductor cable
- Single point connection
- Easy and flexible installation
- Durable construction
- Emits Zero EMF (Electromagnetic fields)
- Silent, efficient, automatic, and safe
- Lower capital and operating costs
- Genuine twenty year non-prorated warranty

Technical Data

| | |
|-------------------------|-----------------------------------|
| Cable Construction: | Twin conductor |
| Rated Voltage: | 240V Max |
| Output: | 9W/ft. (30W/m) |
| Cable Length: | 115 ft. (35 m) to 545 ft. (166 m) |
| Cold Lead: | 20 feet (6.0 m) |
| Bending Radius: | Minimum 1.5 inches (38 mm) |
| Cable Diameter: | 1/4 inch (6.5 mm) |
| Conductor Insulation: | Teflon™ |
| 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
TX-SH Cables - 240V**

Power leads are 20 feet in length.

4" centers provide approximately 27W/sq.ft.
5" centers provide approximately 22W/sq.ft.
6" centers provide approximately 18W/sq.ft.

Watt output of the 240V cable is reduced by 25% when operated at 208V (approximately 6.75W/ft.)

| Part No. | Length (feet) | Approximate heat coverage (sq. ft.) | | | Watts (9W/ft.) | Amps |
|----------|---------------|-------------------------------------|------------|------------|----------------|------|
| | | 4" spacing | 5" spacing | 6" spacing | | |
| 088L3723 | 115 | 40 | 50 | 60 | 1,080 | 4.5 |
| 088L3729 | 190 | 60 | 80 | 95 | 1,750 | 7.3 |
| 088L3733 | 240 | 80 | 100 | 120 | 2,160 | 9.0 |
| 088L3735 | 285 | 95 | 120 | 145 | 2,590 | 10.8 |
| 088L3737 | 330 | 110 | 140 | 165 | 3,025 | 12.6 |
| 088L3739 | 375 | 125 | 160 | 185 | 3,480 | 14.5 |
| 088L3741 | 425 | 140 | 175 | 210 | 3,865 | 16.1 |
| 088L3743 | 475 | 155 | 200 | 235 | 4,365 | 18.2 |
| 088L3745 | 545 | 180 | 225 | 270 | 5,015 | 20.9 |



Thermostats

| Part No. | Description |
|----------|---|
| 088L5132 | Programmable Thermostat with Air Sensor (and floor temperature limiter) |
| 088L5130 | Programmable Thermostat with Floor Sensor |
| 088L5133 | Non-Programmable Thermostat with Floor Sensor |

Contactor Panels

| Part No. | Description | Max. Amps | Coil Voltage | No. of Contactors |
|----------|------------------------|-----------|--------------|-------------------|
| 088L3450 | Single Contactor, 600V | 40 | 120 | 1 |
| 088L3451 | Single Contactor, 600V | 40 | 208-240 | 1 |
| 088L5135 | Power Module with GFCI | 15A | 120/240 | - |

All contactors are complete with NEMA 1 enclosure

Accessories

| Part No. | Description |
|----------|--|
| 088L1053 | Cable strapping (15 ft./6.5m.) |
| 088L1054 | Cable strapping (75 ft./22.9m) |
| 088L0010 | TX Repair Kit (includes: crimp connector, repair wire, heat shrink tube) |
| 088L0028 | Little Buzzer - Continuity Alarm |
| 088L3008 | Replacement Floor Sensor for Thermostat |
| 19809099 | Sensor Conduit (8ft/2.4m) |

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 **1-866-676-8062**. More information on Danfoss Electric Heating products is available at **www.LX.Danfoss.com**.

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