

Data Sheet

TX-SH Cables Storage Heating



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 warranty

Technical Data

Cable Construction:	Twin conductor
Rated Voltage:	240V Max
Output:	9W/ft. (30W/m)
Cable Length:	120 ft. (36 m) to 550 ft. (168 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™ FEP and XLPE
Filler Sheath:	PEX
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 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	120	40	50	60	1,040	4.3
088L3729	190	65	80	95	1,750	7.3
088L3733	240	80	100	120	2,145	8.9
088L3735	285	95	120	145	2,580	10.8
088L3737	330	110	140	165	3,015	12.6
088L3739	380	125	160	190	3,405	14.2
088L3741	425	140	175	215	3,870	16.1
088L3743	480	160	200	240	4,280	17.8
088L3745	550	185	230	275	4,910	20.5



Thermostats

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

Contactors Panels

Part No.	Description	Max. Amps	Coil Voltage	No. of Contactors
088L3450	Single Contactor, 120V	40	120	1
088L3451	Single Contactor, 208-240V	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./4.5m.)
088L1054	Cable strapping (75 ft./22.8m)
088L0010	TX Repair Kit (includes: crimp connector, repair wire, heat shrink tube)
088L0028	Little Buzzer - Continuity Alarm
ETF-110/99C	Replacement Thin Floor Sensor (10K Ω) 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 **1-888-DANFOSS (326-3677)**. More information on Danfoss Electric Heating products is available at www.LX.Danfoss.com.

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