

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 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

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

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