

Data Sheet

TX-FH Cables Electric Floor Heating



General Information



Danfoss TX-FH cables are a thick floor heating solution. Thick cables have a larger diameter than the Danfoss LX Floor Heating cables, allowing them to be lower in COST, higher in HEAT OUTPUT, and more DURABLE. They are installed in mud beds below the flooring materials and are most often used in new construction where overall material cost is a primary concern.

- Extremely durable
- High output means less cable required
- Single point connection
- Twin conductor cable
- Eliminates EMF's (electromagnetic fields)
- Safety approved for wet locations
- Genuine twenty year warranty

Technical Data

Cable Construction:	Twin conductor
Rated Voltage:	240V Max
Output:	6W/ft. (20 W/m)
Cable Length:	60 ft. (18 m) to 595 ft. (207 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:	220°F (105°C)
Min. Installation Temp:	40°F (5°C)

See power lead label for NEC connection color code.

Ordering Information TX-FH Cables (240V)

- Cable strapping is not supplied with product. Additional cable strapping can be ordered separately.
- Power leads are 10 feet in length
- 4" centers provide approximately 17W/sq.ft.
- 5" centers provide approximately 14W/sq.ft.
- 6" centers provide approximately 12W/sq.ft.
- Watt output of the 240V cable is reduced by 25% when operated at 208V (approximately 4.5W/ft.)

Part No.	Length (ft.)	Approx. Heat Coverage (sq.ft.)			Watts (6W/ft.)	Amps
		4" spacing	5" spacing	6" spacing		
088L3700	60	20	25	30	335	1.4
088L3701	90	30	35	45	505	2.1
088L3702	115	40	50	60	670	2.8
088L3703	145	50	60	75	865	3.6
088L3704	175	60	75	90	1,030	4.3
088L3705	210	70	90	105	1,225	5.1
088L3706	240	80	100	120	1,395	5.8
088L3707	300	100	125	150	1,730	7.2
088L3708	355	120	150	180	2,065	8.6
088L3710	415	140	170	205	2,409	10.0
088L3711	470	155	195	235	2,760	11.5
088L3712	530	175	220	265	3,095	12.9
088L3713	595	200	250	295	3,480	14.5



Thermostats

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

Contactor Panels

Part No.	Description	Max. Amps	Coil Voltage	No. of Contactors
088L3450	Single Contactor, 3P, 600V	120	120	1
088L3451	Single Contactor, 3P, 600V	40	208-240	1
088L5135	Power Module with GFCI	15	N/A	1

Contactor or Power Module is required for loads exceeding 15 Amps on single thermostat.
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 tubes)
088L0028	Little Buzzer - Continuity Alarm
088L3008	Replacement Floor Sensor for Thermostat models 088L5130, 088L5132, 088L5133 only
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 **1-888-326-3677**. More information on Danfoss Electric Heating products is available at **www.LX.Danfoss.com**.

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