

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 585 ft. (178 m)
Cold Lead:	20 feet (6.0 m)
Bending Radius:	Minimum 1.5 inches (38 mm)
Cable Diameter:	1/4 inch (6.4 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-FH Cables (240V)

- Cable strapping is not supplied with product. Additional cable strapping can be ordered separately.
- Power leads are 20 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	85	30	35	45	530	2.2
088L3702	115	40	50	60	690	2.9
088L3703	145	50	60	75	855	3.6
088L3704	170	55	75	85	1,050	4.4
088L3705	205	70	85	105	1,225	5.2
088L3706	235	80	100	120	1,420	5.9
088L3707	295	100	125	150	1,745	7.3
088L3708	350	115	145	175	2,100	8.8
088L3710	405	135	170	205	2,455	10.2
088L3711	465	155	195	235	2,785	11.6
088L3712	525	175	220	265	3,130	13.0
088L3713	585	195	245	295	3,510	14.6



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)

Contactors Panels

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

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

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