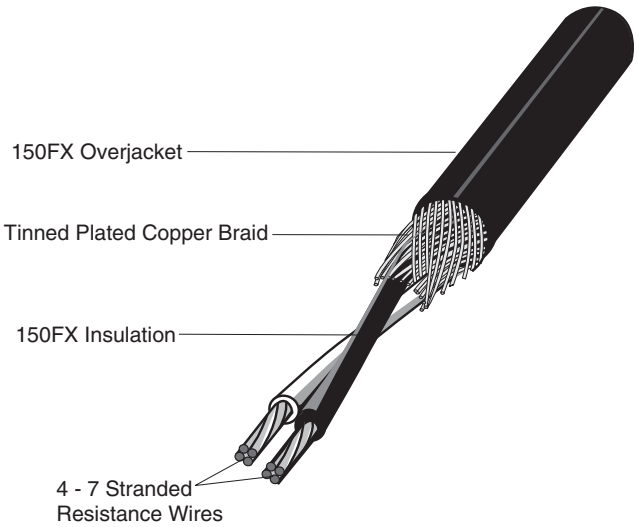
DELTA-THERM

2FW CABLE

Two Conductor Floor Warming Cable



DESCRIPTION

Two conductor floor warming (2FW) cable consists of two high tensile strength stranded alloy conductors. The stranded conductors are encased in 150FX insulation (irradiated cross-linked polyolefin insulation) rated at 302°F (150°C). A copper braid, equivalent to 18 AWG, is braided over the primary insulation to serve as a ground path. Another layer of 150FX is extruded over the copper braid to provide additional electrical insulation.

The 2FW cable output is a nominal 4 watts per linear foot (13 watts per linear meter). This produces a watt density of 12-15 watts per Sq. Ft. (129-161 Sq. m) when installed on nominal 3” - 4” (8-10cm) centers.

All cables have a 7’ cold lead.

BENEFITS OF USING A TWO CONDUCTOR CABLE INCLUDE:

- Single Point Power Connection
- Dual Conductors Significantly Lower EMF
- Easily Installs In Saw-Cut

APPLICATIONS

Floor Warming and Primary Radiant Heating

APPROVALS

UL Listed for embedded floor heating applications in mortar other than concrete.

120 VOLT 2FW CABLES

Part No.	Max. Coverage Area Sq. Ft. (Sq. m)	Volts	Amps	kW	Heated Cable Length Ft. (m)
12FW-008	8-12 (.7-1.1)	120	1.0	0.12	31’ (9)
12FW-013	13-17 (1.2-1.5)	120	1.6	0.19	48’ (15)
12FW-018	18-24 (1.6-2.2)	120	2.1	0.27	62’ (19)
12FW-025	25-32 (2.3-2.9)	120	3.0	0.37	90’ (27)
12FW-033	33-40 (3-3.7)	120	3.9	0.50	116’ (35)
12FW-041	41-51 (3.8-4.7)	120	5.0	0.62	150’ (46)
12FW-052	52-63 (4.8-5.5)	120	6.2	0.78	185’ (56)

240 VOLT 2FW CABLES

Part No.	Max. Coverage Area Sq. Ft. (Sq. m)	Volts	Amps	kW	Heated Cable Length Ft. (m)
24FW-016	16-24 (1.4-2.2)	240	1.0	0.25	62’ (19)
24FW-025	25-34 (2.3-3.1)	240	1.6	0.39	96’ (29)
24FW-035	35-49 (3.2-4.5)	240	2.1	0.54	124’ (38)
24FW-050	50-66 (4.6-6.1)	240	3.0	0.75	180’ (55)
24FW-067	67-82 (6.2-7.6)	240	3.9	1.0	232’ (71)
24FW-084	83-103 (7.8-9.5)	240	5.0	1.2	300’ (91)
24FW-104	104-124 (9.6-11.5)	240	6.2	1.6	370’ (113)

DELTA-THERM Corporation, P.O. Box 345, Wauconda IL, 60084 (847) 526-2407 Fax (847) 526-4456 **(800) 526-7887**

208 VOLT 2FW CABLES

Part No.	Max. Coverage Area Sq. Ft. (Sq. m)	Volts	Amps	kW	Heated Cable Length Ft. (m)
20FW-014	14-21 (1.3-1.9)	208	1.0	0.22	54' (16)
20FW-022	22-29 (2.0-2.6)	208	1.6	0.34	83' (25)
20FW-030	30-42 (2.7-3.9)	208	2.1	0.46	107' (33)
20FW-043	43-56 (3.9-5.2)	208	3.0	0.65	156' (48)'
20FW-057	57-72 (5.2-6.6)	208	3.9	0.86	201' (61)
20FW-073	73-89 (6.7-8.2)	208	5.0	1.1	260' (79)
20FW-090	90-108 (8.3-10.0)	208	6.2	1.4	321' (98)

277 VOLT 2FW CABLES

Part No.	Max. Coverage Area Sq. Ft. (Sq. m)	Volts	Amps	kW	Heated Cable Length Ft. (m)
27FW-019	19-29 (1.7-2.6)	277	1.0	0.29	71' (22)
27FW-030	30-39 (2.7-3.6)	277	1.6	0.45	110' (34)
27FW-040	40-56 (3.7-5.2)	277	2.1	0.61	151' (46)
27FW-057	57-75 (5.2-6.9)	277	3.0	0.86	215' (66)
27FW-076	76-95 (7.0-8.8)	277	3.9	1.1	285' (87)
27FW-096	96-118 (8.9-10.9)	277	5.0	1.5	358' (117)
27FW-119	119-145 (11.0-13.4)	277	6.2	1.8	447' (136)

Controls

UDG-4999	Multi-voltage (120, 208, And 240 VAC) Electronic Programmable Floor Sensing Thermostat

Accessories

ClipStrip	25' Roll of Cable Strapping
2FW Clips	2FW Cable Clips (Large And Small)
FW-CS	Audible Cable Continuity Testing Monitor

Panels

LNR	Low Noise Power Relay Panels
DT-XXPXX	Enclosed Contactor Panels