

TECHNICAL DATA SHEET No. 25 rev. 2**ELEKTRA HEATING CABLE
Type DM 20 W/m, 240V**Series resistant double conductor cable

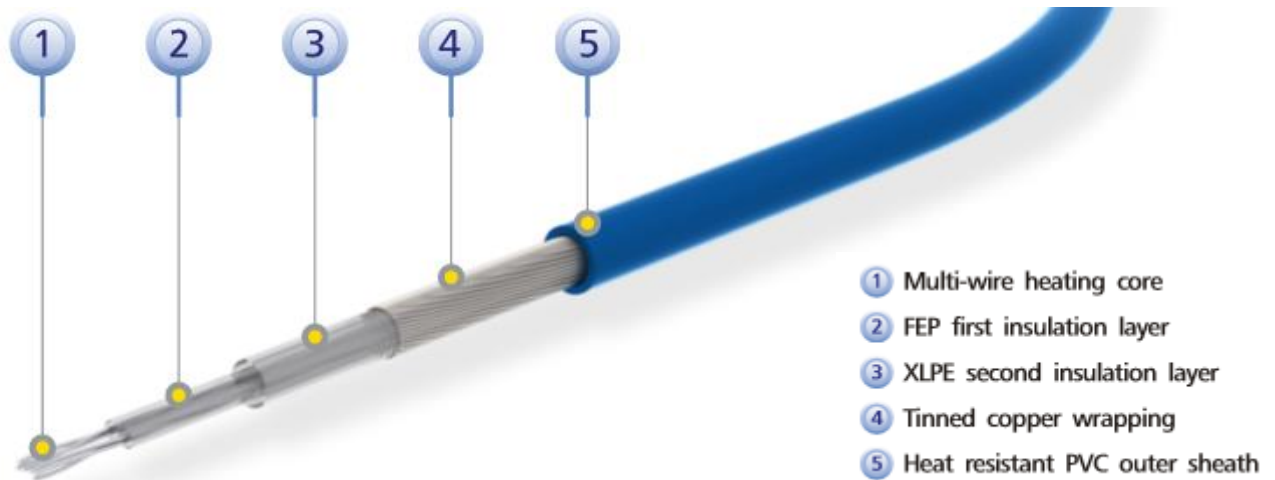
1. Introduction

The DM heating cable is designed for all purpose use, applications for underfloor heating. The FEP insulation and heat-resistant PVC outer sheath are extremely resistant to concrete, water and soil.

2. Technical Data

Construction:	Heating cable: <ul style="list-style-type: none">- Heating conductor (stranded wires)- FEP and XLPE insulation- Screen (copper wrapping)- Heat-resistant PVC outer sheath Cold tails: <ul style="list-style-type: none">-H05VV-F 3G1.0 or 3G1.5 or 3G2.5, 2.5 m.
Conductor form:	Round
Diameter:	~ 4.3 mm (~ 5.5 mm for 3 large units ≥177 m)
Resistance range:	0.046 to 70.4 Ω/m
Nominal power rating:	20 W/m
Max. operating temperature:	110 °C
Peak withstand temperature:	130 °C
Nominal voltage for: <ul style="list-style-type: none">- heating cable- heating unit	500 VAC 240 VAC
Test (dielectric) voltage:	2500 VAC
Standard for: <ul style="list-style-type: none">- heating cable- heating unit	IEC 60800 EN 60335-1

3. Cable construction



4. Technical data

	Heating unit type	Heating cable		Length m	Heating unit resistance +10%, -5% Ω	Nominal power output W	Tolerance %
		type	resistance Ω/m				
1	DM 20/125 240V	DM-01	70.4	6.5	460.8	125	± 10
2	DM 20/195 240V	DM-1	29.7	10.0	295.4	195	
3	DM 20/215 240V	DM-2	24.6	11.0	267.9	215	
4	DM 20/325 240V	DM-3	10.8	16.5	177.2	325	+5 -10
5	DM 20/420 240V	DM-4	6.61	21.0	137.1	420	
6	DM 20/470 240V	DM-5	5.22	23.5	122.6	470	
7	DM 20/600 240V	DM-6	3.30	29.5	96.00	600	
8	DM 20/660 240V	DM-7	2.61	33.5	87.27	660	
9	DM 20/820 240V	DM-8	1.74	40.5	70.24	820	
10	DM 20/1030 240V	DM-9	1.10	51.0	55.92	1030	
11	DM 20/1150 240V	DM-10	0.870	58.0	50.09	1150	
12	DM 20/1280 240V	DM-11A	0.705	64.0	44.00	1280	
13	DM 20/1440 240V	DM-11	0.501	73.0	40.00	1440	
14	DM 20/1640 240V	DM-12	0.435	81.0	35.12	1640	
15	DM 20/1940 240V	DM-13	0.304	98.0	29.69	1940	
16	DM 20/2410 240V	DM-14	0.196	122.0	23.90	2410	
17	DM 20/3000 240V	DM-15	0.128	150.0	19.20	3000	
18	DM 20/3520 240V	DM-16	0.0927	177.0	16.36	3520	
19	DM 20/4050 240V	DM-17	0.0695	205.0	14.22	4050	
20	DM 20/4980 240V	DM-18	0.0464	250.0	11.57	4980	

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