
TECHNICAL DATA SHEET

ELEKTRA DM 20/ HEATING CABLE 240V

Series resistant double conductor cable

Introduction

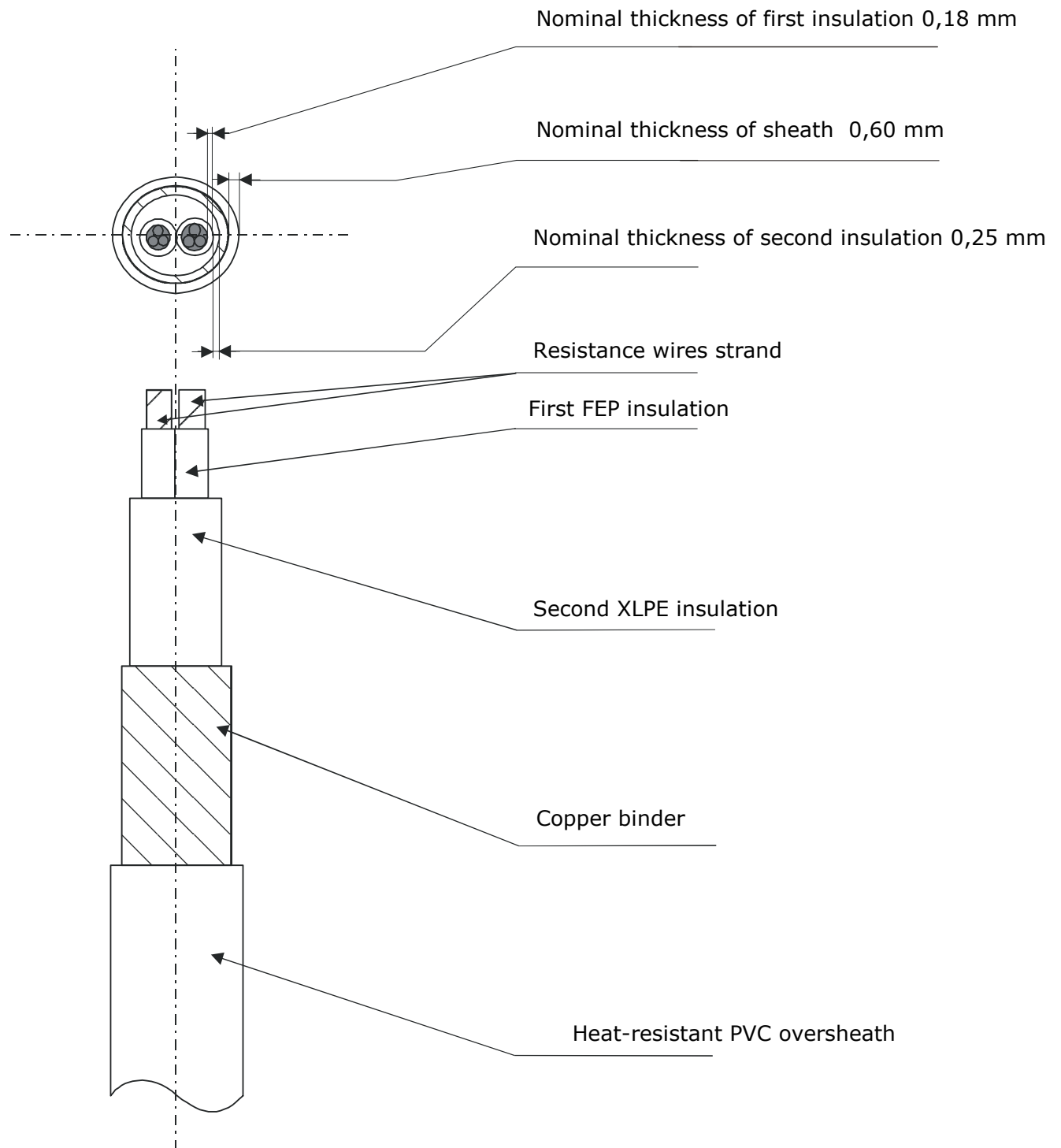
The DM heating cable is designed for all purpose use, applications for under floor heating.

The FEP insulation and heat-resistant PVC outer sheath are extremely resistant to concrete, water and soil.

Technical specification

Construction:	Heating conductor: - FEP and XLPE insulation - Copper binder - heat-resistant PVC outer sheath Cold tails – HO3VV-F 3x0,75, 3x1,0, 3x1,5 or 3x2,5 mm ² - 2,5 m
Conductor form:	Round
Cable diameter:	4,2 mm
Resistance range:	74 to 0,050 Ω/m
Nominal power rating:	20 W/m
Max. operating temperature:	105 °C
Peak withstand temperature:	120 °C
Nominal voltage:	500 V AC
Test (dielectric) voltage:	2500 V AC
Standard (for heating cable):	IEC 1423-1 and IEC 1423-2
Standard (for DM 20/):	EN 60335-1

Wire Construction



Technical data

20 W/m 240V

L.p.	Type DM	Heating cable type	Resistance, heating cable Ω/m	Resistance DM in 20 °C,			Power		Length (m)
				min	nominal	max	nominal	tolerance	
				(Ω)			(W)	%	
1	DM 20/125	DM 01	2 x 35,2	418,9	460,8	485,1	125	-5%/	6,5
2	DM 20/200	DM 1	2 x 14,9	261,8	288,0	303,2	200	/+10	9,5
3	DM 20/220	DM 2	2 x 12,3	249,4	261,8	275,6	220	± 5	10,7
4	DM 20/320	DM 3	2 x 5,4	171,4	180,0	189,5	320		16,7
5	DM 20/420	DM 4	2 x 3,3	130,6	137,1	144,4	420		21,0
6	DM 20/460	DM 5	2 x 2,6	119,3	125,2	131,8	460		24,0
7	DM 20/600	DM 6	2 x 1,6	91,43	96,00	101,1	600		29,2
8	DM 20/660	DM 7	2 x 1,3	83,12	87,27	91,87	660		33,5
9	DM 20/820	DM 8	2 x 0,87	66,90	70,24	73,94	820		40,5
10	DM 20/1020	DM 9	2 x 0,55	53,78	56,47	59,44	1020		51,5
11	DM 20/1160	DM 10	2 x 0,43	47,29	49,66	52,27	1160		57,5
12	DM 20/1440	DM 11	2 x 0,27	38,10	40,00	42,11	1440		73,0
13	DM 20/1620	DM 12	2 x 0,22	33,86	35,56	37,43	1620		81,0
14	DM 20/1940	DM 13	2 x 0,15	28,28	29,69	31,25	1940		98,0
15	DM 20/2420	DM 14	2 x 0,098	22,67	23,80	25,05	2420		122,0
16	DM 20/3020	DM 15	2 x 0,063	18,16	19,07	20,08	3020		152,0
17	DM 20/3540	DM 16	2 x 0,046	15,50	16,27	17,13	3540		177,0
18	DM 20/4060	DM 17	2 x 0,035	13,51	14,19	14,93	4060		204,0
19	DM 20/4980	DM 18	2 x 0,023	11,02	11,57	12,18	4980		249,0

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