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**TECHNICAL DATA SHEET**

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**ELEKTRA DM HEATING CABLE**

Series resistant double conductor cable

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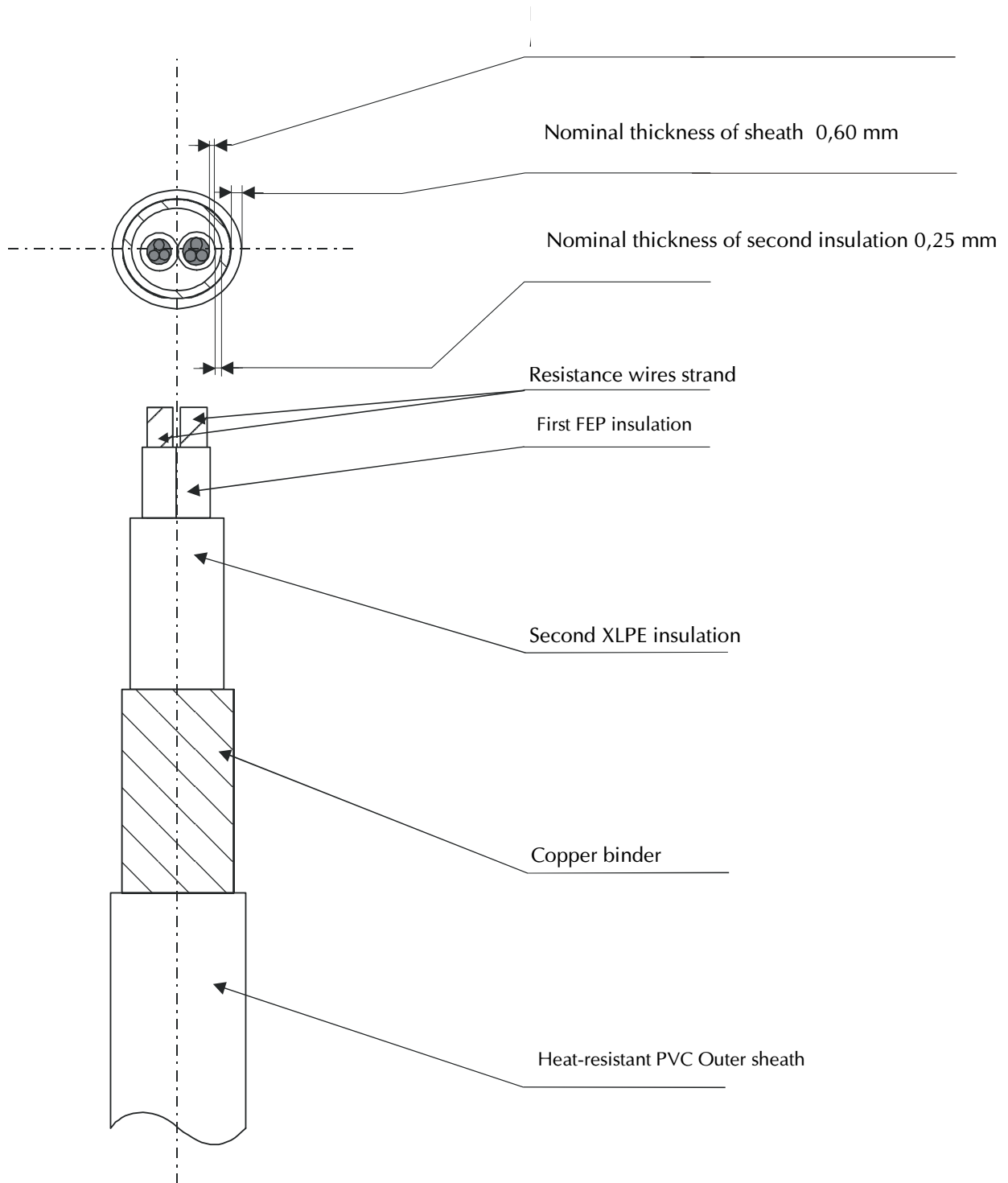
**Introduction**

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 - LiYCY 2x0,75 or 2x1,0 mm <sup>2</sup> - 2,5 m
Conductor form:	Round
Cable diameter:	4,2 mm
Resistance range:	74 to 0,12 Ω/m
Nominal power rating:	10 W/m
Max. operating temperature:	105 °C
Peak withstand temperature:	120 °C
Nominal voltage:	300/500 V AC
Test (dielectric) voltage:	2500 V AC
Standard (for heating cable):	IEC 1423-1 and IEC 1423-2
Standard (for ELEKTRA DM):	EN 60335-1

## Wire Construction



## Technical data

10 W/m 230V

L.p.	Type	Heating cable type	Resistivity ( $\Omega/m$ )	Nominal power (W)	Length (m)	
			$\pm 5\%$	$\pm 5\%$	Min	max
1	<b>DM 10/90</b>	MD 01	70,38	90	8,2	9,1
2	<b>DM 10/130</b>	MD 1	29,75	130	12,7	14,0
3	<b>DM 10/150</b>	MD 2	24,58	150	13,9	15,4
4	<b>DM 10/220</b>	MD 3	10,79	220	21,0	23,2
5	<b>DM 10/280</b>	MD 4	6,61	280	26,9	29,7
6	<b>DM 10/320</b>	MD 5	5,22	320	30,2	33,4
7	<b>DM 10/400</b>	MD 6	3,30	400	38,0	42,0
8	<b>DM 10/450</b>	MD 7	2,61	450	42,8	47,3
9	<b>DM 10/550</b>	MD 8	1,74	550	52,4	57,9
10	<b>DM 10/690</b>	MD 9	1,10	690	65,8	72,8
11	<b>DM 10/780</b>	MD 10	0,870	780	74,1	81,9
12	<b>DM 10/980</b>	MD 11	0,551	980	92,5	102,2
13	<b>DM 10/1100</b>	MD12	0,441	1100	104,0	115,0
14	<b>DM 10/1320</b>	MD13	0,304	1320	125,4	138,6
15	<b>DM 10/1650</b>	MD14	0,196	1650	156,1	172,5
16	<b>DM 10/2050</b>	MD15	0,125	2050	195,1	215,6

Edition: 1/07

Telephone (+4822) 843 32 82  
 Fax (+4822) 843 47 52  
 e-mail: info@elektra.eu  
 http:// www.elektra.eu

ELEKTRA  
 ul. Marynarska 14  
 02-674 Warszawa  
 Poland

