



## Technical Data-Sheet

Issue: 01/09

### elumeg - PVC - Stranded hook-up wire, heat resistant LiY - t 105

Standard dimensions according to DIN VDE 0812/11.88  
Without VDE - approval

Conductor : Stranded E-Copper, bare or tinned  
Insulation : Plasticized-PVC (cadmium free), heat resistant

Item	Nom. Cross-section [mm <sup>2</sup> ]	Number and dimensions of single wires	Outside - $\varnothing$ nominal [mm]	Conductor resistance max. at 20° C [ $\Omega$ /km]	Test voltage Sinus/50Hz/1 min [V <sub>eff</sub> ]	Operating voltage [V <sub>S</sub> ]
1	0,08	10 x 0,10 mm	1,00	243	1200	500
2	0,14	18 x 0,10 mm	1,10	142	1200	500
3	0,25	14 x 0,15 mm	1,30	77,5	2500	900
4	0,38	12 x 0,20 mm	1,70	50,6	2500	900
5	0,50	16 x 0,20 mm	1,80	38,2	2500	900
6	0,75	24 x 0,20 mm	2,00	25,4	2500	900
7	1,00	32 x 0,20 mm	2,10	19,1	2500	900
8	1,50	30 x 0,25 mm	2,60	13,0	2500	900
9	2,50	50 x 0,25 mm	3,30	7,80	3000	1500
10	4,00	56 x 0,30 mm	3,90	4,70	3000	1500

Items 1; 4; 9 and 10 are not listed in DIN VDE 0812/11.88

Insulation resistance :  $\geq 200 \text{ M}\Omega \times \text{km}$   
Cold bending test : - 15° C  
Temperature range : static - 30 ... 90° C (short-time operation 105° C)  
dynamic - 5 ... 90° C (short-time operation 105° C)

The specifications are guidelines and do not release from suitability tests for intended purpose.