



Technical Data-Sheet

Issue: 09/02

[e l u m e g - Stranded hook-up wire 180 - U](#)

Thermal Class H (180° C)

Conductor	:	Stranded E-Copper, bare or tin coated
Base cover	:	Acetate fibre
Insulation	:	0,50 ... 2,50 mm ² 1 layer Polyimide film KAPTON [®] 4,00 ... 10,00 mm ² 2 layers Polyimide film KAPTON [®] , wound in opposing directions
Braid	:	Aramidfibre NOMEX [®]
Impregnation	:	Silicone
Colour	:	Nature-shade
Standard winding	:	Coils, reels or barrels Ø 300 mm

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Electrical properties

Test voltage (DIN VDE 0472 part 509 test method B)	:	2,5 kV (Sinus/50Hz/2 min)
Operating voltage	:	up to 2,50 mm ² max. 600 V from 4,00 mm ² max. 800 V

Dimensions

Nom. Cross-section [mm ²]	Number and dimensions of single wires	Outside Ø nominal [mm]	Weight of copper [kg/km]	Conductor resist- ance max.at 20° C [Ω/km]
0,50	16 x 0,20 mm	1,65	5,0	37,1
0,75	24 x 0,20 mm	1,75	7,5	24,8
1,00	32 x 0,20 mm	2,10	10,0	18,5
1,50	30 x 0,25 mm	2,40	15,0	12,7
2,50	50 x 0,25 mm	3,00	25,0	7,60
4,00	56 x 0,30 mm	3,70	40,0	4,73
6,00	84 x 0,30 mm	4,70	60,0	3,14
10,0	80 x 0,40 mm	5,70	100,0	1,84

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