

## Technical Data-Sheet

Issue: 02/24

### [elumeg-Stranded hook-up wire 130-S](#)

Thermal Class B (130°C)

Halogen- and silicon free

Conductor	:	Stranded E-Copper, bare or tin coated
Base cover	:	Acetate fibre
Insulation	:	1 layer Polyester film 1 layer synthetic silk, wound in opposing directions
Varnish	:	Polyurethane
Standard colours	:	white, red, black, blue, yellow, green, brown, violet extra marking with coloured spiral is possible
Standard winding	:	Coils, reels or barrels Ø 300 mm

#### Mechanical properties

Hot pressure test (130° C/4h - DIN VDE 0472 part 609)	:	approx. 20%
Temperature range	:	- 20 ... 130° C
Bending radius	:	1 x outer diameter (0,14 ... 1,50 mm <sup>2</sup> ) 2 x outer diameter (2,50 mm <sup>2</sup> )

#### Electrical properties

Insulation resistance (DIN VDE 0472 part 502 test method D)	:	≥ 100 MΩ x km
Test voltage (DIN VDE 0472 part 509 test method B)	:	2,50 kV (Sinus / 50 Hz / 2 min)
Operating voltage	:	max. 600 V

#### Dimensions

Cross-section (nom.) [mm <sup>2</sup> ]	Dimension [mm]	Outer diameter [mm]	Tolerance [mm]	Copper weight [kg/km]	max. Conductor resistance 20°C [Ω/km]
0,14	18 x 0,10	1,10	0,10	1,4	132,0
0,25	14 x 0,15	1,30	0,10	2,5	75,5
0,37	12 x 0,20	1,50	0,10	3,7	50,0
0,50	16 x 0,20	1,65	0,10	5,0	37,1
0,75	24 x 0,20	1,85	0,10	7,5	24,8
1,00	32 x 0,20	2,00	0,10	10,0	18,5
1,50	30 x 0,25	2,30	0,15	15,0	12,7
2,50	50 x 0,25	2,90	0,15	25,0	7,6