

## Technical Data-Sheet

Issue: 02/24

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

#### Thermal Class B (130°C)

#### Halogen- and silicon free

Conductor	:	Stranded E-Copper, bare or tin coated
Base cover	:	Acetate fibre
Insulation	:	2 layers Polyester film, wound in opposing directions
Braid	:	Textile fibre
Varnish	:	Polyurethane
Standard colours	:	white, red, black, blue, yellow, green, brown, violet extra marking with tracer threads 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

#### Electrical properties

Insulation resistance (DIN VDE 0472 part 502 test method D)	:	≥ 200 MΩ x km
Test voltage (DIN VDE 0472 part 509 test method B)	:	4,0 kV (Sinus / 50 Hz / 2 min)
Operating voltage	:	max. 800 V

#### Dimensions

Cross-section (nom.) [mm²]	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	± 0,15	1,4	132,0
0,25	14 x 0,15	1,30	± 0,15	2,5	75,5
0,37	12 x 0,20	1,50	± 0,15	3,7	50,0
0,50	16 x 0,20	1,65	± 0,15	5,0	37,1
0,75	24 x 0,20	1,85	± 0,15	7,5	24,8
1,00	32 x 0,20	2,00	± 0,20	10,0	18,5
1,50	30 x 0,25	2,30	± 0,20	15,0	12,7
2,50	50 x 0,25	2,90	± 0,20	25,0	7,6
4,00	56 x 0,30	3,70	± 0,25	40,0	4,7
6,00	84 x 0,30	4,70	± 0,25	60,0	3,1