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## Technical Data-Sheet

Issue: 09/02

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### [e l u m e g - 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)	: ca. 20%
Temperature range	: - 20 ... 130° C

#### Electrical properties

Insulation resistance (DIN VDE 0472 part 502 test method D)	: $\geq 200 \text{ M}\Omega \times \text{km}$
Test voltage (DIN VDE 0472 part 509 test method B)	: 4,0 kV (Sinus/50Hz/2 min)
Operating voltage	: max. 800 V

#### Dimensions

Nom. Cross-section [mm <sup>2</sup> ]	Number and dimensions of single wires	Outside Ø nominal [mm]	Tolerance [mm]	Weight of copper [kg/km]	Conductor resist- ance max. at 20° C [Ω/km]
0,14	18 x 0,10 mm	1,40	±0,15	1,4	132,0
0,25	14 x 0,15 mm	1,55	±0,15	2,5	75,5
0,37	12 x 0,20 mm	1,75	±0,15	3,7	50,0
0,50	16 x 0,20 mm	1,85	±0,15	5,0	37,1
0,75	24 x 0,20 mm	2,05	±0,15	7,5	24,8
1,00	32 x 0,20 mm	2,25	±0,20	10,0	18,5
1,50	30 x 0,25 mm	2,60	±0,20	15,0	12,7
2,50	50 x 0,25 mm	3,10	±0,20	25,0	7,60
4,00	56 x 0,30 mm	3,70	±0,25	40,0	4,73
6,00	84 x 0,30 mm	4,70	±0,25	60,0	3,14