



Technical Data-Sheet

Issue: 08/02

[e l u m e g - Stranded hook-up wire 120 – S](#)

Thermal Class E (120° C)

Halogen and silicon free

Conductor	:	Stranded E-Copper, bare or tin coated
Base cover	:	Acetate fibre
Insulation	:	synthetic silk
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 (120° C/4h - DIN VDE 0472 part 609)	:	ca. 20%
Temperature range	:	- 20 ... 120° C

Electrical properties

Insulation resistance (DIN VDE 0472 part 502 test method D)	:	≥ 2 MΩ × km
Test voltage (DIN VDE 0472 part 509 test method B)	:	800 V (Sinus/50Hz/2 min)
Operating voltage	:	max. 100 V

Dimensions

Nom. Cross-section [mm ²]	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	0,85	±0,10	1,4	132,0
0,25	14 x 0,15 mm	1,05	±0,10	2,5	75,5
0,37	12 x 0,20 mm	1,35	±0,10	3,7	50,0
0,50	16 x 0,20 mm	1,45	±0,10	5,0	37,1
0,75	24 x 0,20 mm	1,80	±0,10	7,5	24,8
1,00	32 x 0,20 mm	1,90	±0,10	10,0	18,5
1,50	30 x 0,25 mm	2,20	±0,15	15,0	12,7
2,50	50 x 0,25 mm	2,65	±0,15	25,0	7,6