

Technical Data-Sheet

Issue: 02/24

elumeg-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 Teil 609)	:	approx. 20%
Temperature range	:	- 20 ... 120° C

Elektrische Eigenschaften

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

Abmessungen

Cross-section (nom.) [mm ²]	Dimension [mm]	Outer diameter [mm]	Tolerance [mm]	Copper weight [kg/km]	max. Conductor resistance 20°C [Ω/km]
0,14	18 x 0,10	0,85	0,10	1,40	132,0
0,25	14 x 0,15	1,05	0,10	2,50	75,5
0,37	12 x 0,20	1,35	0,10	3,70	50,0
0,50	16 x 0,20	1,45	0,10	5,00	37,1
0,75	24 x 0,20	1,80	0,10	7,50	24,8
1,00	32 x 0,20	1,90	0,10	10,0	18,5
1,50	30 x 0,25	2,20	0,15	15,0	12,7
2,50	50 x 0,25	2,65	0,15	25,0	7,6