

## Technical Data-Sheet

Issue: 02/24

### elumeg-Stranded hook-up wire 155-U-C-U

Thermal Class F (155°C)

Halogenfree

Conductor	:	Stranded E-Copper bare or tin coated
Insulation	:	1 layer Polyimide film KAPTON® 1 layer Aramid paper NOMEX®
		KAPTON ® und NOMEX® sind eingetragene Warenzeichen von Du Pont
Braid	:	Polyester fibre
Impregnation	:	Polyurethane
Shield	:	Braid with approx. 85 % covering, copper tin coated
Insulation	:	1 layer Polyester film
Braid	:	Polyester fibre
Varnish	:	Polyurethane
Standard colours	:	white (white with coloured tracer threads on inquiry)
Standard winding	:	Coils or reels

### Mechanical properties

Hot pressure test (155°C/4h - DIN VDE 0472 part 609)	:	approx. 20 %
Temperature range	:	- 40 ... 155°C

### Electrical properties

Insulation resistance (DIN VDE 0472 part 502 test method D)	:	≥ 200 MΩ x km
Test voltage (Following DIN VDE 0472 part 509 test method B)	:	2,5 kV (Sinus / 50 Hz / 1 min)
Operating voltage	:	max. 800 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]
16,00	126 x 0,40	7,80	± 0,30	160,0	1,16
25,00	196 x 0,40	9,30	± 0,30	250,0	0,74
35,00	280 x 0,40	10,50	± 0,30	350,0	0,53
50,00	399 x 0,40	12,70	± 0,30	500,0	0,37
70,00	560 x 0,40	15,00	± 0,40	700,0	0,26
95,00	483 x 0,50	17,00	± 0,40	950,0	0,20