



Technical Data-Sheet Issue: 06.04.2001

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

Thermal Class F (155° C)

Halogen free

- Conductor : Stranded E-Copper bare or tin coated
- Insulation : 1 layer Polyimide film KAPTON®
- : 1 layer Aramid paper NOMEX®
- Braid : Polyester fibre
- Impregnation : Polyurethane
- Shield : Braid with app. 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

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Mechanical properties

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

Electrical properties

- Insulation resistance (DIN VDE 0472 part 502 test method D) : = 200 M Ω x km
- Test voltage (Following DIN VDE 0472 part 509 test method B): 2,5 kV (Sinus/50Hz/1 min)
- Operating voltage : max. 800 V

Dimensions

Nom. Cross-section [mm ²]	Number and dimensions of single wires	Outer diameter app. [mm]	Tolerance [mm]	Weight of copper [kg/km]	Conductor resistance max. at 20°C [m Ω /km]
16	126 x 0,40 mm	7,8	± 0,30	200	1,16
25	196 x 0,40 mm	9,3	± 0,30	292	0,743
35	280 x 0,40 mm	10,5	± 0,30	392	0,529
50	399 x 0,40 mm	12,7	± 0,30	558	0,369
70	560 x 0,40 mm	15	± 0,40	770	0,260
95	483 x 0,50 mm	17	± 0,40	1030	0,203

The specifications are guidelines and do not release from suitability tests for intended purpose.