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Technical Data-Sheet

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

Thermal Class F (155°C), halogen- and silicon free, adverse to flame

UL-Style-No.: 5169, File-No. E251657
AVLV2 - Appliance Wiring Material - Component

Certificate No.: UL-CA-2698980-0, Report Reference: E251657-20260930
AVLV8 - Appliance Wiring Material Certified for Canada - Component (CSA C22.2 No. 210, Edition 5)

Conductor	:	Stranded E-Copper, bare or tin coated
Base cover	:	0,25 ... 2,50 mm² Acetate fibre (≥ 4 mm² without base cover)
Insulation	:	1 layer Glimmer film 1 layer Aramid paper NOMEX ®, wound in opposing directions NOMEX ® is a registered trademark of Du Pont
Braid	:	Polyester fibre
Varnish	:	Polyurethane
Standard colours	:	white or white with tracer threads red, black, blue, grey, yellow, green, brown, violet and orange or single coloured

Mechanical properties

Hot pressure test (155° C/4h - DIN VDE 0472 part 609)	:	approx. 20 %
Temperature range	:	- 40 ... 155°C
Bending radius	:	r ≥ 4 x outer diameter

Electrical properties

Insulation resistance (DIN VDE 0472 part 502 test method D)	:	≥ 200 MΩ x km
Test voltage (DIN VDE 0472 part 509 test method B)	:	4,0 kV (Sinus / 50 Hz / 2 min)
Operating voltage	:	max. 800 V

Dimensions

Cross-section (nom.) [mm²]	Dimension [mm]	Outer diameter [mm]	Tolerance [mm]	Copper weight [kg/km]	max. Conductor resistance 20°C [Ω/km]
0,25	14 x 0,15	1,80	+ 0,30	2,5	75,50
0,38	12 x 0,20	1,90	+0,30	3,7	50,00
0,50	16 x 0,20	2,00	+0,30	5,0	37,10
0,75	24 x 0,20	2,30	+0,30	7,5	24,80
1,00	32 x 0,20	2,50	+0,30	10,0	18,50
1,50	30 x 0,25	2,80	+0,30	15,0	12,70
2,50	50 x 0,25	3,10	+0,30	25,0	7,60
4,00	56 x 0,30	4,00	+0,30	40,0	4,73
6,00	84 x 0,30	4,90	+0,40	60,0	3,14
10,00	80 x 0,40	5,80	+0,40	100,0	1,84
16,00	126 x 0,40	7,00	+0,40	160,0	1,16
25,00	196 x 0,40	8,50	+0,50	250,0	0,74
35,00	280 x 0,40	10,20	+0,50	350,0	0,53
50,00	399 x 0,40	11,70	± 0,30	500,0	0,37
70,00	560 x 0,40	14,00	± 0,40	700,0	0,26
95,00	483 x 0,50	16,00	± 0,40	950,0	0,20

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