



## RADOX® 155 stranded hook-up wires

heat and cold resistant, flame retardant, resin resistant for compact wiring with good workability in household devices, lights, electrical switching facilities, wrapped goods.



**RADOX® 155** are flexible connecting lead wires with electron-crosslinked insulation. **RADOX® 155** thus has a good heat pressure resistance and good mechanical characteristics. Short term heat exposure up to 250°C does not have a sustainable influence on the insulation. The economical and automated processing is simple and safe, since **RADOX® 155** has good insulation.

The high resistance against various media like water, oil as well as chemicals makes it possible to use **RADOX® 155** in many areas.

It is typically used in class F motors, transformers or in electrical devices.

- Nominal voltage  $U_0/U$  450/750 V or 600/1000 V  
\*for protected, permanent placing in the inside of devices
- **Range of temperature for use -55° C to + 155° C**
- **RADOX® 155** electron-crosslinked insulation, does not melt and flow at high temperatures
- economic, automated processing
- compact, flexible
- resin resistant
- further variations: **RADOX® 155** solid hook-up wire and **RADOX® 155** multi-core cable



### TECHNICAL DATA:

1. **Conductor** E-Copper wire tinned, fine-wired Cl. 5 according to IEC 228
  2. **Insulation RADOX® 155**, extruded polyolefin copolymer, electron-crosslinked
- Printing** Huber+Suhner Switzerland **RADOX® 155**  
 0,25 – 0,50 mm<sup>2</sup>: = ...mm<sup>2</sup>  
 0,75 – 1,00 mm<sup>2</sup>: = ...mm<sup>2</sup> VDE-REG-Nr. 9331  
 1,50 – 4,00 mm<sup>2</sup>: = ...mm<sup>2</sup> VDE-REG-Nr. 5596  
 ≥ 6,00 mm<sup>2</sup>: = ...mm<sup>2</sup> (Chargen-Nr.) VDE-REG-Nr. 5596
- Min. bending radius**  $D \leq 12 \text{ mm } 3 \times D$ ,  $D \geq 12 \text{ mm } 4 \times D$
- Standard Aufmachung**  
 100, 1000 m spools/coils (0,25 – 2,5 mm<sup>2</sup>)  
 100 m spools (4 – 6 mm<sup>2</sup>)  
 Rings/100 m spools (10 – 50 mm<sup>2</sup>)

**RADOX® 155** is also available as a solid hook-up wire model of 0.25 to 2.5 mm<sup>2</sup> (IEC 228, class 1) and as multi-core cable, models screened and unscreened.

Cross section mm <sup>2</sup>	Line construct. n x mm Ø	Line Ø max. mm	Wire Ø mm	R <sub>20</sub> IEC 228 max. Ω/kg	Copper no. kg/1000 m	Weight nom. kg/100 m	Voltage rating U <sub>0</sub> /U * V AC	Test voltage V AC
0,25	19 x 0,13	0,61	1,45 ± 0,05	886,000	2,50	0,4	450/750	2500
0,34	19 x 0,16	0,77	1,60 ± 0,10	52,1000	3,40	0,5	450/750	2500
0,50	19 x 0,18	0,90	1,71 ± 0,10	40,1000	5,00	0,7	450/750	2500
0,75	24 x 0,20	1,15	2,25 ± 0,10	26,7000	7,50	1,1	600/1000	3500
1,00	32 x 0,20	1,28	2,50 ± 0,10	20,0000	10,00	1,5	600/1000	3500
1,50	30 x 0,25	1,52	2,85 ± 0,10	13,7000	15,00	1,9	600/1000	3500
2,50	48 x 0,25	2,06	3,50 ± 0,10	8,2100	25,00	3,0	600/1000	3500
4,00	56 x 0,30	2,64	4,20 ± 0,15	5,0900	40,00	4,6	600/1000	3500
6,00	84 x 0,30	2,98	5,00 ± 0,15	3,3900	60,00	6,5	600/1000	3500
10,00	80 x 0,40	3,94	6,40 ± 0,15	1,9500	100,00	11,0	600/1000	3500
16,00	119 x 0,40	5,40	7,60 ± 0,15	1,2400	160,00	16,5	600/1000	3500
25,00	182 x 0,40	6,70	9,20 ± 0,20	0,7950	250,00	25,0	600/1000	3500
35,00	266 x 0,40	7,90	10,60 ± 0,20	0,5650	350,00	34,5	600/1000	3500
50,00	378 x 0,40	9,40	12,40 ± 0,25	0,3930	500,00	50,0	600/1000	3500
70,00	348 x 0,50	11,50	14,60 ± 0,25	0,2770	700,00	68,0	600/1000	3500
95,00	444 x 0,50	13,00	16,40 ± 0,30	0,2100	950,00	89,0	600/1000	3500
120,00	570 x 0,50	15,40	18,50 ± 0,30	0,1640	1200,00	110,0	600/1000	3500
150,00	722 x 0,50	17,00	20,80 ± 0,30	0,1320	1500,00	142,0	600/1000	3500
185,00	874 x 0,50	18,50	22,70 ± 0,30	0,1080	1850,00	171,0	600/1000	3500
240,00	1147 x 0,50	21,30	26,10 ± 0,40	0,0817	2400,00	225,0	600/1000	3500

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