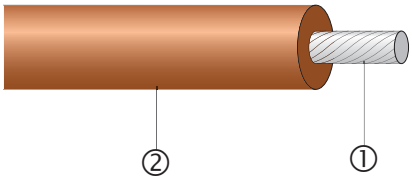
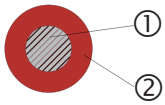
RADOX® 155

Flexible single core





- excellent high and low temperature and ozone resistance
- weatherproof
- easy to process
- flame retardant
- high resistance to heat pressure
- high abrasion resistance
- soldering resistant
- flexible
- resistant to impregnation resins and varnishes

Application
Protected and fixed installation inside electrical equipment, especially suitable for the connection of motor windings, switchboards, magnets and transformers.

Composition of cable

① Conductor	stranded tin plated copper, acc. to IEC 60228, class 5
② Insulation	RADOX® 155 extruded and electron beam crosslinked polyolefin copolymer
Core colours	various, on request

Technical data

Voltage rating U_o/U	≤ 0.50 mm^2	450 / 750 V AC
Test voltage	≤ 0.50 mm^2	2500 V AC
Voltage rating U_o/U	≥ 0.50 mm^2	600 / 1000 V AC
Test voltage	≥ 0.50 mm^2	3500 V AC
Temperature range		–55 °C up to +155 °C

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Extract from our delivery programme

Cross section	Conuctor			Core	Weight	Bending radius
nom.	Construction nom.	Ø max.	R_{20} IEC 60228	Ø	nom.	min.
mm^2	n x mm Ø	mm	max. Ω/km	mm	kg/100m	
0.25	19 x 0.13	0.6	85.9	1.45 ± 0.05	0.4	3 x Ø
0.34	19 x 0.16	0.8	52.1	1.60 ± 0.10	0.5	3 x Ø
0.50	19 x 0.18	0.9	40.1	1.70 ± 0.10	0.7	3 x Ø
0.75	24 x 0.20	1.15	26.7	2.20 ± 0.10	1.1	3 x Ø
1.0	32 x 0.20	1.3	20.0	2.60 ± 0.10	1.5	3 x Ø
1.5	30 x 0.25	1.55	13.7	2.70 ± 0.10	1.9	3 x Ø
2.5	50 x 0.25	2.05	8.21	3.35 ± 0.10	3.0	3 x Ø
4.0	56 x 0.30	2.6	5.09	4.05 ± 0.15	4.6	3 x Ø
6.0	81 x 0.30	3.4	3.39	5.2 ± 0.15	6.5	3 x Ø
10	78 x 0.40	4.4	1.95	6.4 ± 0.15	11	3 x Ø
16	119 x 0.40	5.4	1.24	7.6 ± 0.15	16.5	3 x Ø
25	182 x 0.40	6.7	0.795	9.2 ± 0.2	25	3 x Ø
35	266 x 0.40	7.9	0.565	10.6 ± 0.2	34.5	3 x Ø
50	378 x 0.40	9.4	0.393	12.3 ± 0.25	50	4 x Ø
70	348 x 0.50	11.5	0.277	14.6 ± 0.25	68	4 x Ø
95	444 x 0.50	12.9	0.210	16.3 ± 0.3	89	4 x Ø
120	551 x 0.50	14.8	0.164	18.4 ± 0.3	110	4 x Ø
150	722 x 0.50	17.0	0.132	20.8 ± 0.3	142	4 x Ø
185	874 x 0.50	18.5	0.108	22.5 ± 0.3	171	4 x Ø
240	1147 x 0.50	21.3	0.0817	25.7 ± 0.3	225	4 x Ø

Other cross sections on request.