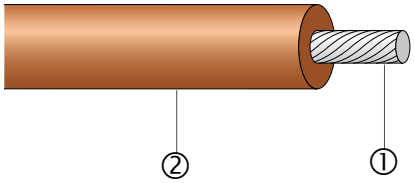
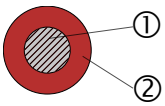
RADOX® 155

Flexible single core





- Excellent high and low temperature and ozone resistance
- Weatherproof
- Easy to process
- 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 EN 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 mm²	450/750 V AC
Test voltage	≤ 0.50 mm²	2500 V AC
Voltage rating U_o/U	> 0.50 mm²	600/1000 V AC
Test voltage	> 0.50 mm²	3500 V AC
Temperature range		–55 up to +155 °C

RADOX® 155

Flexible single core

Extract from our delivery programme

Cross section	Conductor			Core	Weight	Bending radius
nom. mm^2	Construction nom. n × mm dia.	Dia. max. mm	R_{20} IEC 60228 max. Ω/km	Dia. mm	nom. kg/100 m	min.
0.25	19 × 0.13	0.6	86.0	1.45 ± 0.05	0.4	3 × dia.
0.34	19 × 0.16	0.8	53.1	1.60 ± 0.10	0.5	3 × dia.
0.50	19 × 0.18	0.9	40.1	1.71 ± 0.10	0.7	3 × dia.
0.75	24 × 0.20	1.15	26.7	2.25 ± 0.10	1.1	3 × dia.
1.0	32 × 0.20	1.3	20.0	2.50 ± 0.10	1.5	3 × dia.
1.5	30 × 0.25	1.55	13.7	2.85 ± 0.10	1.9	3 × dia.
2.5	48 × 0.25	2.05	8.21	3.50 ± 0.10	3.0	3 × dia.
4.0	56 × 0.30	2.6	5.09	4.20 ± 0.15	4.5	3 × dia.
6.0	82 × 0.30	3.0	3.39	5.0 ± 0.15	6.5	3 × dia.
10	78 × 0.40	3.9	1.95	6.4 ± 0.15	11	3 × dia.
16	119 × 0.40	5.4	1.24	7.6 ± 0.15	16.5	3 × dia.
25	182 × 0.40	6.7	0.795	9.2 ± 0.2	25	3 × dia.
35	266 × 0.40	7.9	0.565	10.7 ± 0.3	36.3	3 × dia.
50	378 × 0.40	9.4	0.393	12.3 ± 0.3	50	4 × dia.
70	348 × 0.50	11.5	0.277	14.6 ± 0.3	68	4 × dia.
95	444 × 0.50	13.0	0.210	16.4 ± 0.3	89	4 × dia.
120	570 × 0.50	15.4	0.164	18.5 ± 0.3	110	4 × dia.
150	722 × 0.50	17.0	0.132	20.8 ± 0.3	142	4 × dia.
185	874 × 0.50	18.5	0.108	22.7 ± 0.3	171	4 × dia.
240	1147 × 0.50	21.3	0.0817	26.1 ± 0.4	225	4 × dia.

Various colours on request.