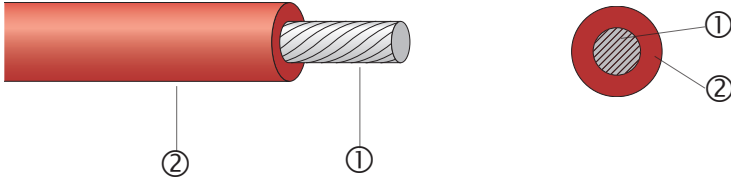


# RADOX® 125

Flexible single core



- Excellent high and low temperature and ozone resistance
- Weatherproof
- Halogen free
- Flexible, easy to strip and process
- High resistance to thermal pressure
- High abrasion resistance
- Oil-resistant

## Application

Protected and fixed installation inside electrical equipment, especially suitable for the connection of motor windings, switchboards, white goods and lighting fixtures.

## Composition of cable

- ① Conductor
- ② Insulation

Core colours

stranded tin plated copper, acc. to EN 60228, class 5  
 RADOX 125  
 extruded and electron beam crosslinked polyolefin copolymer  
 various, on request

## Technical data

Voltage rating $U_0/U$	$\leq 0.50 \text{ mm}^2$	450/750 V AC
Test voltage	$\leq 0.50 \text{ mm}^2$	2500 V AC
Voltage rating $U_0/U$	$> 0.50 \text{ mm}^2$	600/1000 V AC
Test voltage	$> 0.50 \text{ mm}^2$	3500 V AC
Temperature range		-40 up to +125 °C

## The cables are in conformity with:

Halogen free compound	fulfilled	EN 50363
Corrosivity of combustion gases	$\text{pH} \geq 4.3, \sigma \leq 10 \mu\text{S}/\text{mm}$	EN 50267-2-2
Amount of halogen acid gas	$\text{HCl} + \text{HBr} \leq 0.5 \%$	EN 50267-2-1
Content of fluorine	$\text{HF} \leq 0.1 \%$	EN 60684-2, # 45.2

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Extract from our delivery programme

Cross section	Conductor			Core	Weight	Bending radius
nom. mm <sup>2</sup>	Construction nom. n × mm dia.	Dia. max. mm	R <sub>20</sub> IEC 60228 max. Ω/km	Dia. mm	nom. kg/100 m	min.
0.25	19 × 0.13	0.6	85.9	1.45 ± 0.05	0.4	3 × dia.
0.34	19 × 0.16	0.8	52.1	1.60 ± 0.10	0.5	3 × dia.
0.50	19 × 0.18	0.9	40.1	1.70 ± 0.10	0.7	3 × dia.
0.75	24 × 0.20	1.15	26.7	2.20 ± 0.10	1.1	3 × dia.
1.0	32 × 0.20	1.3	20.0	2.60 ± 0.10	1.5	3 × dia.
1.5	30 × 0.25	1.55	13.7	2.73 ± 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	4.15 ± 0.15	4.6	3 × dia.
6.0	82 × 0.30	3.4	3.39	4.95 ± 0.15	6.7	3 × dia.
10	78 × 0.40	4.4	1.95	6.15 ± 0.15	11	3 × dia.
16	119 × 0.40	5.4	1.24	7.35 ± 0.15	16.5	3 × dia.
25	182 × 0.40	6.7	0.795	8.9 ± 0.2	25	3 × dia.
35	266 × 0.40	7.9	0.565	10.3 ± 0.2	34.9	3 × dia.
50	378 × 0.40	9.4	0.393	12.1 ± 0.25	50	3 × dia.
70	348 × 0.50	11.5	0.277	14.4 ± 0.25	70.8	3 × dia.
95	444 × 0.50	12.9	0.210	16.0 ± 0.3	89	4 × dia.
120	570 × 0.50	15.1	0.164	18.6 ± 0.3	116	4 × dia.
150	722 × 0.50	17.0	0.132	20.5 ± 0.3	145	4 × dia.
185	874 × 0.50	18.5	0.108	22.2 ± 0.3	173	4 × dia.
240	1147 × 0.50	21.3	0.0817	25.4 ± 0.3	225	4 × dia.

Various colours on request.