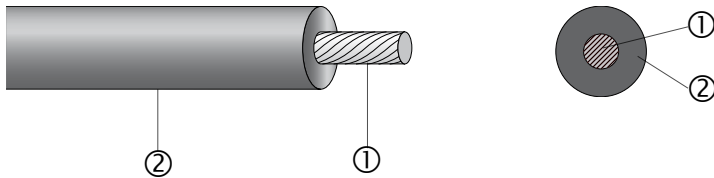


RADOX® eco-F

Flexible single core



- excellent high and low temperature and ozone resistance
- weatherproof
- halogen free
- easy to process
- flame retardant
- 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, white goods, lighting fixtures, etc.

Composition of cable

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

Technical data

Voltage rating U_o/U	450 / 750 V AC
Test voltage	2500 V AC
Min. operating temperature	-40 °C
Max. continuous conductor temperature	+125 °C
Max. continuous conductor temperature at short circuit (max. 5s)	fixed flexing
	+250 °C +200 °C
Min. bending radius	3 x core-dia.

The cables pass the following fire tests:

Amount of halogen acid gas	EN 50267-2-1, IEC 60754-1	0 mg/g
Corrosivity of combustion gases	EN 50267-2-2, IEC 60754-2	
Smoke density	EN 50268-2, IEC 61034-2	

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Extract from our delivery programme

Cross section	Conductor			Core	Weight
nom. mm ²	Construction nom. n x mm dia.	dia. max. mm	R ₂₀ IEC 60228 max. Ω/km	dia. mm	nom. kg/100 m
0.25	19 x 0.13	0.6	85.9	1.35 ± 0.05	0.4
0.34	19 x 0.16	0.8	52.1	1.60 ± 0.10	0.6
0.50	19 x 0.18	0.9	40.1	1.71 ± 0.10	0.7
0.75	19 x 0.23	1.1	26.7	1.90 ± 0.10	1.0
1.0	19 x 0.26	1.2	20.0	2.15 ± 0.10	1.2
1.5	30 x 0.25	1.5	13.7	2.45 ± 0.10	1.8
2.5	50 x 0.25	2.1	8.21	3.05 ± 0.10	2.8
4.0	56 x 0.30	2.6	5.09	3.65 ± 0.15	4.7

Various colours on request.