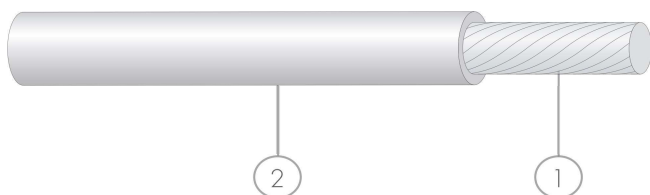


RADOX® 3 GKW 600V

single core

Conductor	EN 60228, class 5	Voltage rating	600/1000 V AC
Number of conductors	1		900/1500 V DC
Cross section	0.5 – 400 mm ²	Temperature range	–50 to +120 °C



Composition of core

1. Conductor	stranded tin plated copper
2. Insulation	RADOX EI 201, colour: grey

Characteristics and specialities

- Flame retardant
- Low smoke
- Halogen free
- Low toxicity
- Soldering resistant
- Easy to strip
- Flexible
- Weight optimised

Application

- Typical applications include carriage wiring, terminal boxes, power supply to various systems and ground connections inside railway rolling stock at fixed or sporadic moving installations.
- Guidelines for selection and the installation are described in the standards EN 50355 and EN 50343.

Standards

Standard	Fire protection on railway vehicles	
BS 6853	category	int. Ia, Ib, II/ext. Ia, Ib, II
DIN 5510-2	hazard level	1, 2, 3, 4
EN 45545-2		
GOST 31565		
NFF 16-101	class, category	C/FO, int. A1, A2, B/ext. A1, A2, B
NFPA 130		
UNI CEI 11170-3		

For further technical details please refer to our data sheet.



RADOX® 3 GKW 600V

single core

Cross section	Conductor		Core	Conductor resistance	Weight		Item no.
mm ²	Construction* n × mm	D _{nom.} mm	D mm	R ₂₀ max. Ω/km	Copper kg/100 m	Cable kg/100 m	
0.5	19 × 0.18	0.90	2.00 ± 0.10	40.1	0.45	0.9	12548125
0.75	24 × 0.20	1.10	2.20 ± 0.10	26.7	0.7	1.1	12548126
1	37 × 0.18	1.22	2.45 ± 0.10	20.0	0.9	1.4	12551402
1.5	30 × 0.25	1.50	2.70 ± 0.10	13.7	1.4	1.9	12545286
2.5	50 × 0.25	1.95	3.30 ± 0.10	8.21	2.2	3.1	12545288
4	56 × 0.30	2.45	3.95 ± 0.10	5.09	3.5	4.6	12545290
6	84 × 0.30	2.95	4.70 ± 0.15	3.39	5.2	6.8	12548127
10	80 × 0.40	3.90	5.85 ± 0.15	1.95	9.1	11	12545153
16	119 × 0.40	5.30	7.25 ± 0.15	1.24	13.5	17	12545292
25	182 × 0.40	6.60	8.90 ± 0.20	0.795	21	25	12543216
35	266 × 0.40	7.80	10.2 ± 0.20	0.565	30	36	12548128
50	378 × 0.40	9.30	11.9 ± 0.20	0.393	43	50	12545155
70	348 × 0.50	11.40	14.3 ± 0.30	0.277	61	71	12543214
95	444 × 0.50	12.80	15.9 ± 0.30	0.210	78	89	12548671
120	570 × 0.50	14.90	17.9 ± 0.40	0.164	100	112	12542936
150	722 × 0.50	16.80	20.3 ± 0.40	0.132	127	142	12548673
185	874 × 0.50	18.30	22.0 ± 0.40	0.108	150	171	12551404
240	1147 × 0.50	21.10	25.2 ± 0.50	0.082	200	224	12551406
300	1443 × 0.50	23.70	28.0 ± 0.50	0.065	250	279	12555741
400	1952 × 0.50	27.30	31.9 ± 0.50	0.050	353	375	12557104

* typical value × single wire diameter

Other colours on request.

