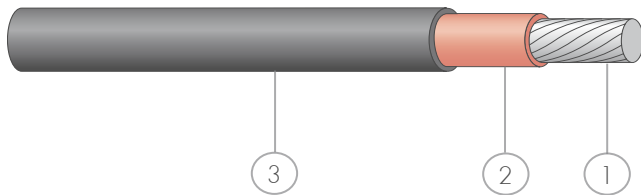


RADOX® 9 GKW-AX 3600V M

single core

Conductor	EN 60228, class 5	Voltage rating	3600/6000 V AC
Number of conductors	1		5400/9000 V DC
Cross section	1.5 - 400 mm ²	Temperature range	-50 to +120 °C



Composition of core

1. Conductor	stranded tin plated copper
2. Insulation	RADOX EI 110, colour: red
3. Sheath	RADOX EI 109, colour: black, further colours on request

Characteristics and specialities

- Fully meet the requirements according to EN 50264-3-1, hazard level 4
 - extra low temperature
 - extra oil resistant
 - extra fuel resistance
- Resistance to ozone and weathering
- Large product range

Application

- For protected connections of fixed and sporadic moving parts inside and outside of rolling stock.
- Guidelines for selections and the installation are described in the standards EN 50355 and EN50343.

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 (equivalent to GOST R 53315)		
NFF 16-101	class, category	C/F0, 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® 9 GKW-AX 3600V M

single core

Cross section	Conductor		Core	Conductor resistance	Capacity*	Fire load	Weight		Item no.
mm ²	Construction n × mm	Dnom. mm	D mm	R20 max. Ω/km	CH20 pF/m	nom. kJ/m	Copper kg/100 m	Cable kg/100 m	
1.5	37 × 0.23	1.52	4.5 ± 0.10	13.7	215	317	1.4	3.6	12537829
2.5	61 × 0.23	1.95	5.1 ± 0.10	8.21	242	397	2.2	4.9	12537830
4	61 × 0.29	2.40	5.7 ± 0.10	5.1	280	474	3.5	6.7	12537831
6	84 × 0.30	2.95	6.3 ± 0.10	3.39	309	560	5.2	8.9	12537832
10	80 × 0.40	3.90	7.5 ± 0.15	1.95	363	742	9.1	14.1	12545520
16	119 × 0.40	5.30	9.4 ± 0.25	1.24	416	1138	13	21	12544525
25	182 × 0.40	6.60	11.0 ± 0.30	0.80	471	1444	21	30	12547257
35	266 × 0.40	7.80	12.6 ± 0.30	0.57	502	1868	30	42	12547260
50	378 × 0.40	9.30	14.6 ± 0.30	0.39	537	2355	43	58	12545521
70	348 × 0.50	11.40	16.7 ± 0.30	0.28	637	2720	61	80	12547262
95	444 × 0.50	12.90	18.7 ± 0.30	0.21	658	3404	78	101	12547264
120	570 × 0.50	14.90	21.0 ± 0.30	0.16	704	4441	100	128	12545522
150	722 × 0.50	16.80	23.2 ± 0.30	0.13	752	5208	127	160	12547268
185	874 × 0.50	18.30	25.0 ± 0.30	0.11	781	5539	153	189	12545523
240	1147 × 0.50	21.10	28.0 ± 0.30	0.082	863	6462	201	243	12547678
300	1443 × 0.50	23.70	30.8 ± 0.30	0.065	933	7379	253	301	12551573
400	1952 × 0.50	27.30	35.3 ± 0.50	0.05	955	14250	343	404	12564160

* capacity in water, typical value

M: material designation according to EN 50264-1