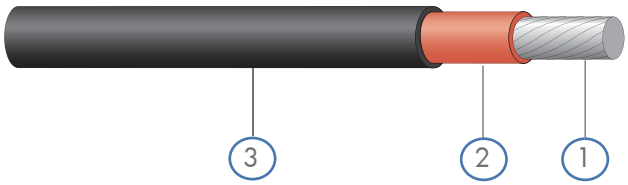
RADOX® 9 GKW-AX 3600 V M Single Core

Conductor	EN 60228, class 5	Voltage rating	3600/6000 V AC
Number of conductors	1		5400/9000 V DC
Cross section	1.5 - 300 mm^2	Temperature range	-40 °C 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

Characteristics and specialities

- Fully meet the requirements of material level M according to EN 50264-1
  - outstanding low termperature
  - high fuel resistance
- Resistance to ozone and weathering

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	
CEN/TS 45545		
DIN 5510-2	Protection level	1, 2, 3, 4
NF F 16-101	Class, category	C / F0, int. A1, A2, B / ext. A1, A2, B
UNI CEI 11170		

For further technical details please refer to our data sheet.

RADOX® 9 GKW-AX 3600 V M Single Core

Cross section	Conductor		Core	Conductor resistance	Capacitance**	Fire load	Weight		Item no.
mm^2	construction* n x mm	$d_{nom.}$ mm	d mm	R_{20} max. Ω/km	C_{H20} pF/m	nom. kJ/m	copper kg/100m	cable kg/100m	
1.5	37 x 0.23	1.50	4.50 ± 0.10	13.7	215	317	1.4	3.6	12537829
2.5	61 x 0.23	1.95	5.10 ± 0.10	8.21	242	397	2.2	4.9	12537830
4	61 x 0.29	2.50	5.70 ± 0.10	5.09	280	474	3.5	6.7	12537831
6	84 x 0.30	2.95	6.30 ± 0.10	3.39	309	560	5.2	8.9	12537832
10	80 x 0.40	3.90	7.50 ± 0.15	1.95	363	742	9.1	14.1	12545520
16	119 x 0.40	5.30	9.40 ± 0.25	1.24	416	1138	13.5	21	12544525
25	182 x 0.40	6.60	11.0 ± 0.30	0.795	471	1444	21	30	12547257
35	266 x 0.40	7.80	12.6 ± 0.30	0.565	502	1868	30	42	12547260
50	378 x 0.40	9.30	14.6 ± 0.30	0.393	537	2355	43	58	12545521
70	348 x 0.50	11.40	16.7 ± 0.30	0.277	637	2720	61	80	12547262
95	444 x 0.50	12.90	18.7 ± 0.30	0.210	658	3404	78	101	12547264
120	570 x 0.50	14.90	21.0 ± 0.30	0.164	704	4441	100	128	12545522
150	722 x 0.50	16.80	23.2 ± 0.30	0.132	752	5208	127	160	12547268
185	874 x 0.50	18.30	25.0 ± 0.30	0.108	781	5539	153	189	12545523
240	1147 x 0.50	21.10	28.0 ± 0.30	0.0817	863	6462	201	243	12547678
300	1443 x 0.50	23.70	30.8 ± 0.30	0.0654	933	7379	253	301	12551573

* Typical value x single wire diameter
** Capacity in water, typical value