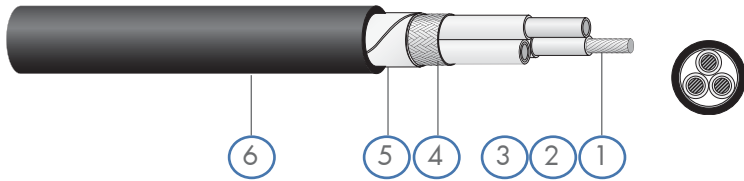


# RADOX® 4 GKW-AX/S EMC

Multi Core screened

Conductor	EN 60228, class 5	Voltage rating	1800/3000 V AC
Number of conductors	2 - ...		2700/4500 V DC
Cross section	1.5 - 95 mm <sup>2</sup>	Temperature range	-40 °C to +120 °C



## Composition of cable

1. Cores of type	4 GKW-AX	colour: black, numbered
2 Fillers (optional)	RADOX	
3 Separator(s) (optional)	tape	
4 EMC screen	tin plated copper braid	
5 Separator	tape	
6 Sheath	RADOX GKW S	colour: black

## Characteristics and specialities

- Resistance to oil, ozone and weathering
- High screening effectiveness
- Wide 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	
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® 4 GKW-AX/S EMC

# Multi Core screened

Cable type n x mm <sup>2</sup>	Conductor		Core	Screen		Cable	Conductor resistance		Z <sub>T</sub>	Weight		Item no.
	construction* n x mm	d <sub>nom.</sub> mm	d <sub>nom.</sub> mm	d <sub>max.</sub> mm	size mm <sup>2</sup>	d mm	conductor R <sub>20</sub> max. Ω/km	screen R <sub>20</sub> max. Ω/km	max. m Ω/M	copper kg/100 m	cable kg/100 m	
2 x 1.5	37 x 0.23	1.50	3.35	7.0	2.0	9.2 ± 0.3	13.7	9.2	100	5.0	13.5	12552642
3 x 1.5	37 x 0.23	1.50	3.35	7.6	2.8	10.0 ± 0.3	13.7	7	50	6.7	16.4	12566644
6 x 1.5	37 x 0.23	1.50	3.35	10.9	5.9	13.8 ± 0.4	13.7	3.3	50	14.5	31.7	12564185
3 x 2.5	61 x 0.29	1.95	3.90	9.1	3.3	11.4 ± 0.4	8.21	5.9	70	10.3	22.5	12564186
4 x 4	61 x 0.29	2.45	4.50	12.2	6.2	15.4 ± 0.5	4.8	3.5	60	20.4	42.7	12568683
3 x 10	80 x 0.41	3.90	6.40	15.0	8.6	18.2 ± 0.5	1.95	2.2	25	37.5	65.0	12556070
3 x 16	119 x 0.40	5.30	8.40	19.2	12.0	23.1 ± 0.5	1.24	1.6	50	52.0	90.0	12564357
3 x 25	182 x 0.40	6.60	10.20	23.7	19.1	28.4 ± 0.6	0.795	1.10	50	81.7	152	12564358
3 x 25 +10	182 x 0.40 80 x 0.40	6.60 3.90	10.20 6.40	24.6	19.1	29.5 ± 0.6	0.795 1.95	1.10	50	91.3	165	12563358
4 x 25	182 x 0.40	6.60	10.20	27.9	18.1	34.1 ± 0.6	0.795	1.26	50	104	187	12563356
2 x 35	266 x 0.40	7.80	11.70	24.9	19.4	29.8 ± 0.6	0.565	1.06	20	78.6	158	12583239
3 x 35	266 x 0.40	7.80	11.70	26.7	21.5	31.6 ± 0.7	0.565	0.89	50	112	197	12561687
3 x 35 +10	266 x 0.40 80 x 0.40	7.80 3.90	11.70 6.40	27.0	21.9	32.8 ± 0.6	0.565 1.95	1.03	50	125	214	12563359
4 x 35	266 x 0.40	7.80	11.70	30.9	35.2	37.1 ± 0.7	0.565	0.66	50	163	210	12563357

\* Typical value x single wire diameter

Other colours on request.

S = GKW S sheath

EMC = Electromagnetic Compatibility