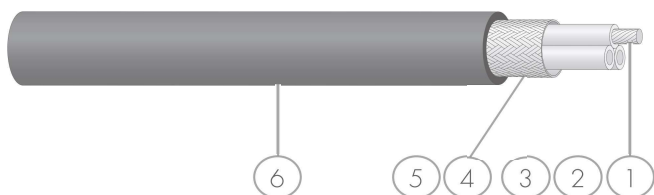


RADOX® 3 GKW 600V XM S

Conductor	EN 60228, class 5	Voltage rating	600/1000 V AC
Number of conductors	2 - 42		900/1500V DC
Cross section	0.5 - 50 mm ²	Temperature range	-50 to +120 °C



Composition of cable

1. Cores	3 GKW 600V colours: grey, numbered or with green-yellow
2. Fillers (optional)	RADOX 125 REC
3. Separator(s) (optional)	tape
4. EMC screen	tin plated copper braid
5. Separator	tape
6. Sheath	RADOX EM 104 colour: black

Characteristics and specialities

- Excellent screening properties
- Resistance to oil, diesel oil, abrasion, ozone and weathering
- Soldering resistant
- Easy to strip
- Flexible

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/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.



multi core, screened

Con- struction	Con- duc- tor	Core	Screen		Cable	Conductor resistance		Z _T	Capacity*		Fire load	Weight		Item no.
n × mm ²	D _{nom.} mm	D _{nom.} mm	D _{max.} mm	Size mm ²	D mm	Conduc- tor R ₂₀ nom. Ω/km	Screen R ₂₀ nom. Ω/km	max. Ω/m	Core/ core C pF/m	Core/ screen C pF/m	nom. kJ/m	Copper kg/ 100 m	Cable kg/ 100 m	
2 × 0.5	0.90	2.00	4.6	1.3	6.6 ± 0.3	40.1	15.7	170	170	300	510	2.3	6.8	12561219
3 × 0.5	0.90	2.00	5.0	1.4	6.9 ± 0.3	40.1	14,5	140	170	300	640	2.8	7.7	12561220
4 × 0.5	0.90	2.00	5.8	1.7	7.5 ± 0.3	40.1	11.6	120	170	300	700	3.6	9.4	12561221
7 × 0.5	0.90	2.00	7.8	2.8	9.8 ± 0.3	40.1	7.8	80	170	300	1090	6.3	14	12561224
2 × 2 × 0.5	0.90	2.00	8.1	3.2	10.6 ± 0.4	40.1	6.2	80	170	300	1220	5	15	12567598
2 × 0.75	1.10	2.20	5.1	1.4	7.0 ± 0.3	26.7	14.6	140	170	300	678	2.9	8.1	12561228
3 × 0.75	1.10	2.20	5.4	1.7	7.5 ± 0.3	26.7	11.5	130	170	300	720	3.7	9.4	12561229
4 × 0.75	1.10	2.20	6.0	1.7	8.1 ± 0.3	26.7	12.6	100	170	300	876	4.7	11	12561230
9 × 0.75	1.10	2.20	10.0	5.1	12.3 ± 0.4	26.7	3.9	70	170	300	1630	11.4	24	12561234
16 × 0.75	1.10	2.20	11.7	5.9	14.4 ± 0.4	26.7	6.2	60	170	300	2200	16.9	35	12562206
5 × 2 × 0.75	1.10	2.20	12.8	8.0	16.0 ± 0.5	26.7	2.5	55	170	300	2250	15.4	35	12566117
2 × 1	1.22	2.45	5.7	1.8	7.6 ± 0.3	20.0	11.2	140	190	330	791	3.8	9.8	12559722
3 × 1	1.22	2.45	6.0	2.2	8.1 ± 0.3	20.0	9.6	100	190	330	712	5	11	12559723
4 × 1	1.22	2.45	7.0	2.8	8.8 ± 0.3	20.0	7.2	90	190	330	860	6.4	14	12559724
7 × 1	1.22	2.45	9.4	3.7	11.8 ± 0.4	20.0	5.3	65	190	330	1430	10	23	12559727
2 × 1.5	1.52	2.70	6.0	2.0	8.2 ± 0.3	13.7	9.9	100	190	330	907	4.6	11	12559728
3 × 1.5	1.50	2.70	6.8	2.5	8.6 ± 0.3	13.7	7.7	90	190	330	770	6.4	14	12559729
4 × 1.5	1.52	2.70	7.4	2.8	9.6 ± 0.3	13.7	7.4	80	190	330	1160	8.1	17	12559730
5 × 1.5	1.50	2.70	8.6	3.2	10.9 ± 0.4	13.7	6.2	70	190	330	1240	9.9	21	12559731
2 × 2 × 1.5	1.52	2.70	10.1	5.3	12.7 ± 0.4	13.7	4.0	60	190	330	1525	11	22	12559853
2 × 2.5	1.95	3.30	7.6	2.8	9.6 ± 0.3	8.21	7.1	80	200	350	840	6.9	16	12559734
3 G 2.5	1.95	3.30	7.8	3.2	10.4 ± 0.4	8.21	7.1	80	200	350	1307	10.4	20	12566192
4 × 2.5	1.95	3.30	9.2	3.2	11.3 ± 0.4	8.21	5.4	70	200	350	1230	12.1	24	12559736
7 × 2.5	1.95	3.30	12.1	5.9	15.7 ± 0.5	8.21	2.9	50	200	350	2000	21.3	45	12559739
3 × 4	2.45	3.95	9.5	3.7	11.8 ± 0.4	5.09	5.6	60	200	350	1400	14.4	27	12559743
4 × 4	2.54	3.95	10.6	5.3	13.4 ± 0.3	5.09	3.8	60	200	350	2146	19	36	12559848
2 × 6	2.93	4.70	10.3	5.3	12.9 ± 0.4	3.39	3.8	60	230	400	2116	16	31	12560867
3 × 6	2.95	4.70	11.4	5.1	13.8 ± 0.4	3.39	3.3	50	230	400	2240	21.8	39	12559744
4 × 6	2.93	4.70	12.6	6.1	15.6 ± 0.4	3.39	3.3	60	230	400	2888	27	49	12559745
3 × 10	3.90	5.85	14.1	7.8	17.2 ± 0.5	1.95	1.9	50	230	400	4050	36.3	63	12559746
4 × 10	3.90	5.85	16.1	10.2	19.2 ± 0.5	1.95	1.9	50	230	400	5560	43.1	79	12559747
3 × 16	5.30	7.30	17.3	10.2	20.6 ± 0.5	1.24	1.9	50	230	400	4790	52	86	12559749
4 × 16	5.30	7.25	19.2	12.3	23.2 ± 0.5	1.24	1.7	30	230	400	6112	65	109	12559850
2 × 25	6.60	8.90	19.1	12.0	22.9 ± 0.5	0.795	1.7	50	230	400	4900	53.6	100	12566322
3 × 25	6.60	8.90	20.5	13.8	24.8 ± 0.5	0.795	1.7	30	230	400	7077	78	126	12560047
4 × 25	6.60	8.90	23.7	19.4	28.3 ± 0.6	0.795	1.1	30	230	400	8559	104	165	12559750
4 × 35	7.80	10.20	26.7	22.1	31.6 ± 0.6	0.565	0.9	30	230	400	9527	142	220	12559752
2 × 50	9.30	11.9	25.0	15.2	29.8 ± 0.6	0.393	1.3	50	230	400	15000	106	175	12560868

* capacity in water typical value

X: material not according to EN 50264-1

M: material designation according to EN 50264-1

S: metallic screen braid

Additional constructions on request.

