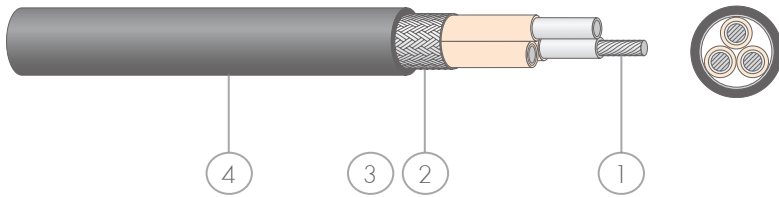


# RADOX® GKW-LW 600V MM S

Conductor	according to EN 50306-2	Voltage rating	600/1000 V AC
Number of conductors	2 - ...		900/1500 V DC
Cross section	0.25 - 2.5 mm <sup>2</sup>	Temperature range	-50 to +120 °C



## Composition of cable

1. Cores	GKW-LW 600V M colour standard: white, numbered, others on request
2. EMC screen	tin plated copper braid
3. Separator	tape
4. Sheath	RADOX EM 104 colour: black

## Characteristics and specialities

- Complies the technical requirements according to EN 50306
  - lowest temperature
  - high resistance to oil and fuel
- Resistance to heat
- Wide product portfolio

## Application

- Typical applications include carriage wiring, terminal boxes, power supply to various systems and ground connections inside railway rolling stock at fixed 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

Construction	Core		Screen	Cable	Conductor resistance		Z <sub>T</sub>	Capacity*		Fire load	Weight		Item no.
mm <sup>2</sup>	D <sub>nom.</sub> mm	D <sub>max.</sub> mm	Cross section mm <sup>2</sup>	D mm	Conductor R <sub>20</sub> max. Ω/km	Screen R <sub>20</sub> max. Ω/km	max. mΩ/m	Core/ screen C pF/m	Core/ screen C pF/m	kJ/m	Copper kg/100 m	Cable kg/100 m	
2 × 0.5	1.30	3.1	0.62	4.3 ± 0.3	40.1	31.1	200	110	190	255	1.6	3.3	12555592
3 × 0.5	1.30	3.3	0.75	4.5 ± 0.3	40.1	31.1	200	110	190	300	2.2	3.8	12555593
4 × 0.5	1.30	3.6	0.88	4.8 ± 0.3	40.1	31.1	150	110	190	335	2.8	4.5	12555594
6 × 0.5	1.30	4.6	1.34	5.9 ± 0.3	40.1	31.1	100	110	190	470	4.2	6.9	12555596
9 × 0.5	1.30	5.8	1.86	7.2 ± 0.3	40.1	31.1	60	110	190	640	6.0	9.7	12558109
10 × 0.5	1.30	5.8	1.88	7.2 ± 0.3	40.1	31.1	60	110	190	625	6.5	10.1	12555597
12 × 0.5	1.30	6.0	2	7.6 ± 0.3	40.1	31.1	60	110	190	735	7.5	11.6	12555598
15 × 0.5	1.30	6.8	2.80	8.5 ± 0.3	40.1	6.92	40	110	190	880	9.9	13.5	12558110
16 × 0.5	1.30	6.8	2.29	8.5 ± 0.3	40.1	6.92	40	110	190	945	9.7	14.7	12555600
25 × 0.5	1.30	8.6	3.45	10.3 ± 0.4	40.1	6.92	25	110	190	1260	15.1	21.3	12555602
2 × 2 × 0.5	1.30	5.0	1.40	6.4 ± 0.3	41.4	13.7	200	110	190	650	3.3	6.9	12555604
3 × 2 × 0.5	1.30	5.4	1.72	6.9 ± 0.3	41.4	13.7	150	110	190	580	4.5	8.2	12561834
4 × 2 × 0.5	1.30	6.4	1.72	8.0 ± 0.3	41.4	13.7	150	110	190	745	5.5	10.1	12555605
5 × 2 × 0.5	1.30	8.5	2.76	9.3 ± 0.3	41.4	13.7	60	110	190	780	7.5	13.6	12566533
6 × 2 × 0.5	1.30	7.7	3.00	9.2 ± 0.3	41.4	6.38	60	110	190	1040	8.7	14.8	12557170
10 × 2 × 0.5	1.30	9.1	3.67	10.9 ± 0.4	41.4	6.38	40	110	190	1280	13.1	20.2	12555606
2 × 0.75	1.52	3.6	0.95	4.8 ± 0.3	26.7	18.7	150	120	205	315	2.5	4.2	12556629
3 × 0.75	1.52	3.9	1.00	5.0 ± 0.3	26.7	18.7	150	120	205	320	3.0	5.0	12556636
4 × 0.75	1.52	4.3	1.15	5.5 ± 0.3	26.7	18.7	100	120	205	380	3.9	6.3	12556630
8 × 0.75	1.52	6.4	2	7.8 ± 0.3	26.7	9.8	50	120	205	815	7.6	12.3	12556631
16 × 0.75	1.52	8.1	3.45	9.7 ± 0.3	26.7	5.9	25	120	205	1110	14.6	20.4	12556419
2 × 2 × 0.75	1.52	6.2	1.72	7.8 ± 0.3	27.6	5.9	150	120	205	725	4.7	9.3	12558422
3 × 2 × 0.75	1.52	6.7	1.74	8.3 ± 0.3	27.6	11.4	150	120	205	795	6.0	10.8	12558423
2 × 1	1.67	3.8	0.88	5.0 ± 0.3	20.0	18.6	200	125	215	345	2.7	5.0	12555875
3 × 1	1.67	4.2	1.15	5.5 ± 0.3	20.0	18.6	150	125	215	390	3.9	6.2	12555688
4 × 1	1.67	4.5	1.04	5.8 ± 0.3	20.0	18.6	150	125	215	430	4.7	7.9	12555877
6 × 1	1.67	5.9	1.86	7.3 ± 0.3	20.0	10.5	100	125	215	680	7.5	11.0	12555879
2 × 2 × 1	1.67	6.9	2	8.5 ± 0.3	20.7	10.5	70	125	215	830	5.8	10.7	12558112
2 × 1.5	2.04	4.6	1.34	5.8 ± 0.3	13.7	20.7	150	125	215	455	4.3	7.4	12558888
3 × 1.5	2.04	4.9	1.14	6.2 ± 0.3	13.7	20.7	150	125	215	505	5.5	8.6	12555889
4 × 1.5	2.04	5.4	1.32	6.7 ± 0.3	13.7	20.7	100	125	215	570	7.2	10.6	12555890
12 × 1.5	2.04	9.2	3.67	11.0 ± 0.4	13.7	20.7	25	125	215	1370	20.9	28.1	12555895
2 × 2 × 1.5	2.04	8.3	3.22	10.0 ± 0.4	14.2	20.7	70	125	215	1180	9.0	16.4	12558114
2 × 2.5	2.54	5.7	1.50	7.0 ± 0.3	8.21	12.8	76	125	215	665	6.2	10.5	12557233

\* capacity in water typical value

G: (earth) = green-yellow

MM: insulation and sheath material designation according to EN 50306-1

S: metallic screen braid