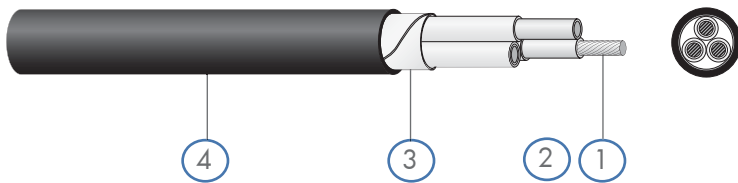


RADOX® 3 GWK/S

Multi Core

Conductor	EN 60228, class 5	Voltage rating	600/1000 V AC
Number of conductors	2 - ...		900/1500 V DC
Cross section	0.5 - 35 mm ²	Temperature range	-40 °C to +120 °C



Composition of cable

1. Cores	3 GWK	colours: grey, numbered or grey, numbered with yellowgreen
2. Fillers (optional)	RADOX	
3. Separator(s) (optional)	tape	
4. Sheath	RADOX GWK S	colour: black

Characteristics and specialities

- Resistance to oil, diesel oil, abrasion, ozone and weathering
- Soldering resistant
- Easy to strip
- Flexible
- Weight optimized

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	
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.

Cross section n x mm ²	Conductor		Core d _{nom.} mm	Cable d mm	Conductor resistance R ₂₀ ma x . Ω/km	Capacitance *** C _{H20} pF/m	Fire load nom. kJ/m	Weight		Item no.
	construction* n x mm	d _{nom.} mm						copper kg/100 m	cable kg/100 m	
2 x 0.5	19 x 0.18	0.90	2.00	5.9 ± 0.3	40.1	110	551	0.91	4.80	12561172
4 x 0.5	19 x 0.18	0.90	2.00	7.0 ± 0.3	40.1	110	582	1.40	5.50	12561174
7 x 0.5	19 x 0.18	0.90	2.00	9.1 ± 0.3	40.1	110	706	1.80	7.20	12561177
18 x 0.5	19 x 0.18	0.90	2.00	12.7 ± 0.4	40.1	110	861	2.30	8.60	12567587
3 x 0.75	24 x 0.21	1.10	2.20	6.8 ± 0.3	26.7	110	690	2.00	7.00	12561181
5 x 0.75	24 x 0.21	1.10	2.20	8.4 ± 0.3	26.7	110	990	3.40	10.70	12561184
8 x 0.75	24 x 0.21	1.10	2.20	10.9 ± 0.4	26.7	110	1410	5.30	14.70	12561819
12 x 0.75	24 x 0.21	1.10	2.20	11.9 ± 0.4	26.7	110	1760	8.00	17.50	12561189
20 x 0.75	24 x 0.21	1.10	2.20	15.2 ± 0.5	26.7	110	2300	13.20	35.00	12561821
2 x 1	37 x 0.18	1.22	2.45	6.9 ± 0.3	20.0	120	560	1.80	7.20	12561190
6 x 1	37 x 0.18	1.22	2.45	10.0 ± 0.3	20.0	120	1240	5.40	16.00	12561194
9 x 1	37 x 0.18	1.22	2.45	12.5 ± 0.4	20.0	120	1830	8.10	21.00	12561196
25 x 1	37 x 0.18	1.22	2.45	18.7 ± 0.5	20.0	120	3880	22.50	51.90	12568300
2 x 1.5	30 x 0.26	1.50	2.70	7.5 ± 0.3	13.7	120	840	2.80	8.60	12561199
3 x 1.5	30 x 0.26	1.50	2.70	8.0 ± 0.3	13.7	120	770	4.20	9.00	12561200
5 x 1.5	30 x 0.26	1.50	2.70	10.2 ± 0.4	13.7	120	1430	7.00	16.90	12561202
**7G1.5	30 x 0.26	1.50	2.70	12.1 ± 0.4	13.7	120	1660	9.80	23.80	12564173
12 x 1.5	30 x 0.26	1.50	2.70	14.2 ± 0.4	13.7	120	2330	16.80	31.30	12561207
36 x 1.5	30 x 0.26	1.50	2.70	23.0 ± 0.5	13.7	120	6200	54.00	90.50	12567364

* Typical value x single wire diameter

** G (earth) = yellowgreen

*** Capacity in water typical value

S = GWK S sheath