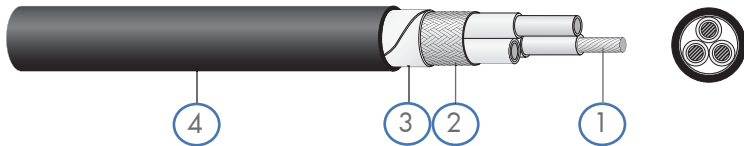


RADOX® TENUIS-TW/S EMC

Multi Core screened

Conductor	EN 60228, class 5	Voltage rating	600/1000 V AC 900/1500 V DC
Number of conductors	2 - ...	Temperature range	-40 °C to +120 °C
Cross section	0.5 - 4.0 mm ²		



Composition of cable

1. Cores	TENUIS-TW	colour: white, numbered and yellowgreen further colours on request
2. EMC screen	tin plated copper braid	
3. Separator	tape	
4. Sheath	RADOX GKW S	colour: black

Characteristics and specialities

- Resistance to oil, ozone, weathering
- High screening effectiveness
- Broad product range
- Space saving constructions

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.

Cable type mm ²	Conductor		Core	Cable	Conductor resistance	Fire load	Weight		Item no.
	construction* n x mm	d _{nom.} mm	d _{nom.} mm	d mm	R ₂₀ max. Ω/km	nom. kJ/m	copper kg/100 m	cable kg/100 m	
2 x 0.5	19 x 0.18	0.90	1.43	4.8 ± 0.3	40.1	323	1.8	4.2	12568117
6 x 0.5	19 x 0.18	0.90	1.43	6.5 ± 0.3	40.1	526	4.8	8.2	12568120
15 x 0.5	19 x 0.18	0.90	1.43	9.0 ± 0.3	40.1	1226	9.6	16.7	12582036
3 x 2 x 0.5	19 x 0.18	0.90	1.43	8.1 ± 0.3	40.1	765	4.8	9.8	12581451
12 x 2 x 0.5	19 x 0.18	0.90	1.43	13.0 ± 0.3	40.1	1594	20.6	27.6	12581358
2 x 0.75	19 x 0.23	1.10	1.63	5.0 ± 0.3	26.7	345	2.6	4.8	12568514
4 x 0.75	19 x 0.23	1.10	1.63	6.0 ± 0.3	26.7	441	4.8	7.2	12568516
6 x 0.75	19 x 0.23	1.10	1.63	7.2 ± 0.3	26.7	675	5.9	10.3	12568517
10 x 0.75	19 x 0.23	1.10	1.63	8.7 ± 0.3	26.7	896	9.6	15.2	12582046
18 x 0.75	19 x 0.23	1.10	1.63	11.0 ± 0.4	26.7	1397	16.2	24.4	12582048
3 x 2 x 0.75	19 x 0.23	1.10	1.63	9.0 ± 0.3	26.7	978	6.7	12.7	12581579
2 x 1	19 x 0.26	1.25	1.78	5.6 ± 0.3	20.0	430	2.7	6.0	12568162
4 x 1	19 x 0.26	1.25	1.78	6.5 ± 0.3	20.0	527	4.9	8.8	12568164
8 x 1	19 x 0.26	1.25	1.78	8.9 ± 0.3	20.0	1120	10.8	17.1	12581449
25 x 1	19 x 0.26	1.25	1.78	13.8 ± 0.4	20.0	2110	27.0	39.2	12582051
2 x 2 x 1	19 x 0.26	1.25	1.78	8.3 ± 0.3	20.0	877	5.5	11.7	12581357
3 x 1.5	19 x 0.31	1.50	2.17	6.8 ± 0.3	13.7	580	5.5	9.5	12568173
6 x 1.5	19 x 0.31	1.50	2.17	9.0 ± 0.3	13.7	1020	12.0	16.8	12581465
18 x 1.5	19 x 0.31	1.50	2.17	14.4 ± 0.4	13.7	3490	30.5	45.2	12582056
2 x 2.5	19 x 0.40	1.95	2.75	7.8 ± 0.3	8.21	806	6.3	12.2	12568175
6 x 2.5	19 x 0.40	1.95	2.75	11.4 ± 0.4	8.21	1650	16.5	26.8	12582059

* Typical value x single wire diameter

S = RADOX GKW S sheath
 EMC = Electromagnetic Compatibility