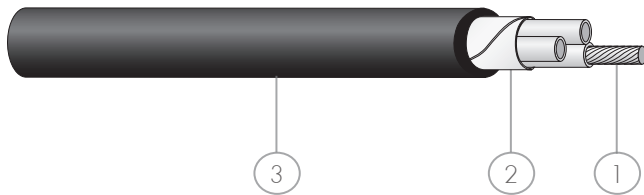


RADOX® TENUIS-TW 600V MM

multi core

Conductor	according to EN 50306-2	Voltage rating	600/1000 V AC
Number of conductors	2 - ...		900/1500 V DC
Cross section	0.25 - 4.0 mm ²	Temperature range	-50 to +120 °C



Composition of cable

1. Cores	TENUIS-TW 600V M colours: white, numbered and green-yellow further colours on request
2. Separator	tape
3. Sheath	RADOX EM 104 colour: black

Characteristics and specialities

- Complies with the technical requirements of EN 50306
 - particularly low temperature
 - high level of oil and fuel resistance
- High level of thermal resistance
- Broad product range

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	
DIN 5510-2	hazard level	1, 2, 3, 4
EN 45545-2		
GOST 31565		
NF F 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.

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Construction	Conductor	Core	Cable	Conductor resistance	Fire load	Weight		Item no.
mm ²	D _{nom.} mm	D _{nom.} mm	D mm	R ₂₀ max. Ω/km	nom. kJ/m	Copper kg/100 m	Cable kg/100 m	
4 × 0.25	0.61	1.17	4.5 ± 0.3	88.5	322	0.9	4.3	85064923
2 × 0.5	0.90	1.42	4.4 ± 0.2	40.1	290	0.9	3.1	12568036
3 × 0.5	0.90	1.42	4.6 ± 0.2	40.1	320	1.35	3.6	12568037
4 × 0.5	0.90	1.42	5.0 ± 0.2	40.1	362	1.8	4.3	12568038
5 × 0.5	0.90	1.42	5.5 ± 0.2	40.1	427	2.25	5.3	12566304
6 × 0.5	0.90	1.42	6.0 ± 0.2	40.1	544	2.7	6.2	12568039
2 × 2 × 0.5	0.90	1.42	6.5 ± 0.3	40.1	595	1.8	5.8	12568040
4 × 2 × 0.5	0.90	1.42	8.7 ± 0.3	40.1	900	3.6	9.9	12568041
2 × 0.75	1.10	1.62	4.75 ± 0.3	26.7	300	1.4	3.5	12568047
3 × 0.75	1.10	1.62	5.15 ± 0.3	26.7	372	2.1	4.7	12568048
4 × 0.75	1.10	1.62	5.6 ± 0.3	26.7	430	2.8	5.7	12568049
6 × 0.75	1.10	1.62	6.75 ± 0.3	26.7	659	4.2	8.3	12568050
2 × 1	1.25	1.77	5.1 ± 0.3	20.0	377	1.65	4.5	12568052
3 × 1	1.25	1.77	5.4 ± 0.3	20.0	410	2.45	5.4	12568053
4 × 1	1.25	1.77	5.8 ± 0.3	20.0	460	3.3	6.4	12568054
6 × 1	1.25	1.77	7.3 ± 0.3	20.0	887	5	9.8	12568055
10 × 1	1.25	1.77	8.7 ± 0.3	20.0	950	8.5	14.3	12581348
25 × 1	1.25	1.77	12.8 ± 0.4	20.0	1890	21.2	32.4	12581349
2 × 1.5	1.50	2.17	6.0 ± 0.3	13.7	511	2.6	6.3	12568098
3 × 1.5	1.50	2.17	6.3 ± 0.3	13.7	540	3.9	7.6	12568099
3 G 1.5	1.50	2.17	6.3 ± 0.3	13.7	540	3.9	7.6	12582026
4 × 1.5	1.50	2.17	6.9 ± 0.3	13.7	631	5.1	9.4	12568100
5 × 1.5	1.50	2.17	7.8 ± 0.3	13.7	830	6.6	11.6	12581350
5 G 1.5	1.50	2.17	7.8 ± 0.3	13.7	830	6.6	11.6	12582027
6 × 1.5	1.50	2.17	8.45 ± 0.3	13.7	1020	7.9	14.1	12582028
7 G 1.5	1.50	2.17	9.1 ± 0.3	13.7	1220	9.2	16.5	12582029
8 × 1.5	1.50	2.17	10.3 ± 0.4	13.7	1590	10.5	20.1	12582030
10 × 1.5	1.50	2.17	10.6 ± 0.4	13.7	1370	13.1	21.6	12582031
18 × 1.5	1.50	2.17	13.4 ± 0.4	13.7	2360	23.7	37.4	12582032
2 × 2.5	1.95	2.75	7.3 ± 0.3	8.21	745	4.3	9.8	12568101
3 × 2.5	1.95	2.75	7.8 ± 0.3	8.21	840	6.6	12.2	12582034
3 G 2.5	1.95	2.75	7.8 ± 0.3	8.21	840	6.6	12.2	12582035
4 × 2.5	1.95	2.75	8.7 ± 0.3	8.21	1000	8.6	15.2	12566306
5 G × 2.5	1.95	2.75	9.4 ± 0.3	8.21	1200	10.9	18.1	12585007
6 × 2.5	1.95	2.75	10.6 ± 0.4	8.21	1590	13.1	22.3	12581347

G: (earth) = green-yellow

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