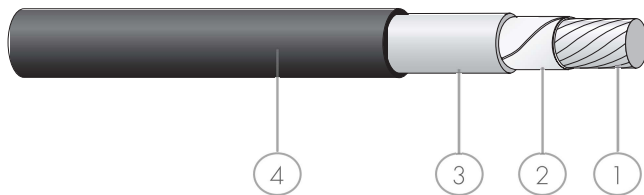


RADOX® EN 50264-3-1 600V M

single core

Conductor	EN 60228, class 5	Voltage rating	600/1000 V AC
Number of conductors	1		900 V DC
Cross section	1.0 - 300 mm ²	Temperature range	-50 to +120 °C



Composition of cable

1. Conductor	stranded tin plated copper	
2. Separator (≥ 25 mm ²)	tape	
3. Inner insulation	RADOX EI 110	colour: white
4. Outer insulation	RADOX EI 109	colour: black or green-yellow

Characteristics and specialities

- Dual wall insulation of high tech polymers with excellent electrical properties
- Halogen free and flame retardant
- Extra oil and fuel resistant
- Excellent resistance to high and low temperature
- Resistance to ozone and weathering
- Flexible
- Easy to strip

Application

- The cables are intended for permanent routing in rolling stock, or for locations subject to limited reciprocal bending stresses during operation.
- Specifications relating to the selection and installation of cables are described in 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
UNICEI 11170-3		

For further technical details please refer to our data sheet.



RADOX® EN 50264-3-1 600V M

single core

Core cross section	Conductor		Core	Conductor resistance	Capacity*	Fire load	Weight		Co-lours	Item no.
mm ²	Construction n × mm	D _{nom.} mm	D mm	R ₂₀ max. Ω/km	CH20 pF/m	nom. kJ/m	Copper kg/100 m	Cable kg/100 m		
1	37 × 0.18	1.22	2.50 ± 0.10	20	330	85	0.88	1.5	BK GNYE	12584832 12584833
1.5	37 × 0.23	1.52	3.00 ± 0.10	13.7	348	120	1.35	2.2	BK GNYE	12584834 12584835
2.5	61 × 0.23	1.94	3.35 ± 0.10	8.21	435	135	2.22	3.1	BK GNYE	12584836 12584837
4	61 × 0.29	2.45	4.25 ± 0.15	5.1	417	225	3.50	5	BK GNYE	12584838 12584839
6	84 × 0.30	2.93	4.85 ± 0.15	3.4	477	270	5.20	7	BK GNYE	12584840 12584841
10	80 × 0.40	3.89	5.75 ± 0.15	2	616	330	9.10	11	BK GNYE	12584842 12584843
16	119 × 0.40	5.30	7.05 ± 0.15	1.25	839	436	13.50	16	BK GNYE	12584844 12584845
25	182 × 0.40	6.60	8.60 ± 0.20	0.8	911	636	21	25	BK GNYE	12584846 12584847
35	266 × 0.40	7.80	10.1 ± 0.2	0.6	932	844	30	36	BK GNYE	12584848 12584849
50	378 × 0.40	9.30	11.6 ± 0.2	0.4	1093	940	43	49	BK GNYE	12584850 12584851
70	348 × 0.50	11.40	14.1 ± 0.25	0.3	1135	1470	61	70	BK GNYE	12584852 12584853
95	444 × 0.50	12.90	15.8 ± 0.25	0.2	1201	1570	78	89	BK GNYE	12584854 12584855
120	570 × 0.50	14.90	18.0 ± 0.3	0.16	1277	2290	100	114	BK GNYE	12584856 12584857
150	722 × 0.50	16.80	20.1 ± 0.3	0.13	1346	2760	127	140	BK GNYE	12584858 12584859
185	874 × 0.50	18.30	21.9 ± 0.3	0.11	1333	2970	153	170	BK GNYE	12584860 12584861
240	1147 × 0.50	21.10	25.0 ± 0.3	0.08	1422	3580	201	220	BK GNYE	12584862 12584863
300	1443 × 0.50	23.7	28.1 ± 0.4	0.06	1424	4480	253	280	BK GNYE	12584864 12584865

* capacity in water, typical value.

M: material designation according to EN 50264-1

